

1865.

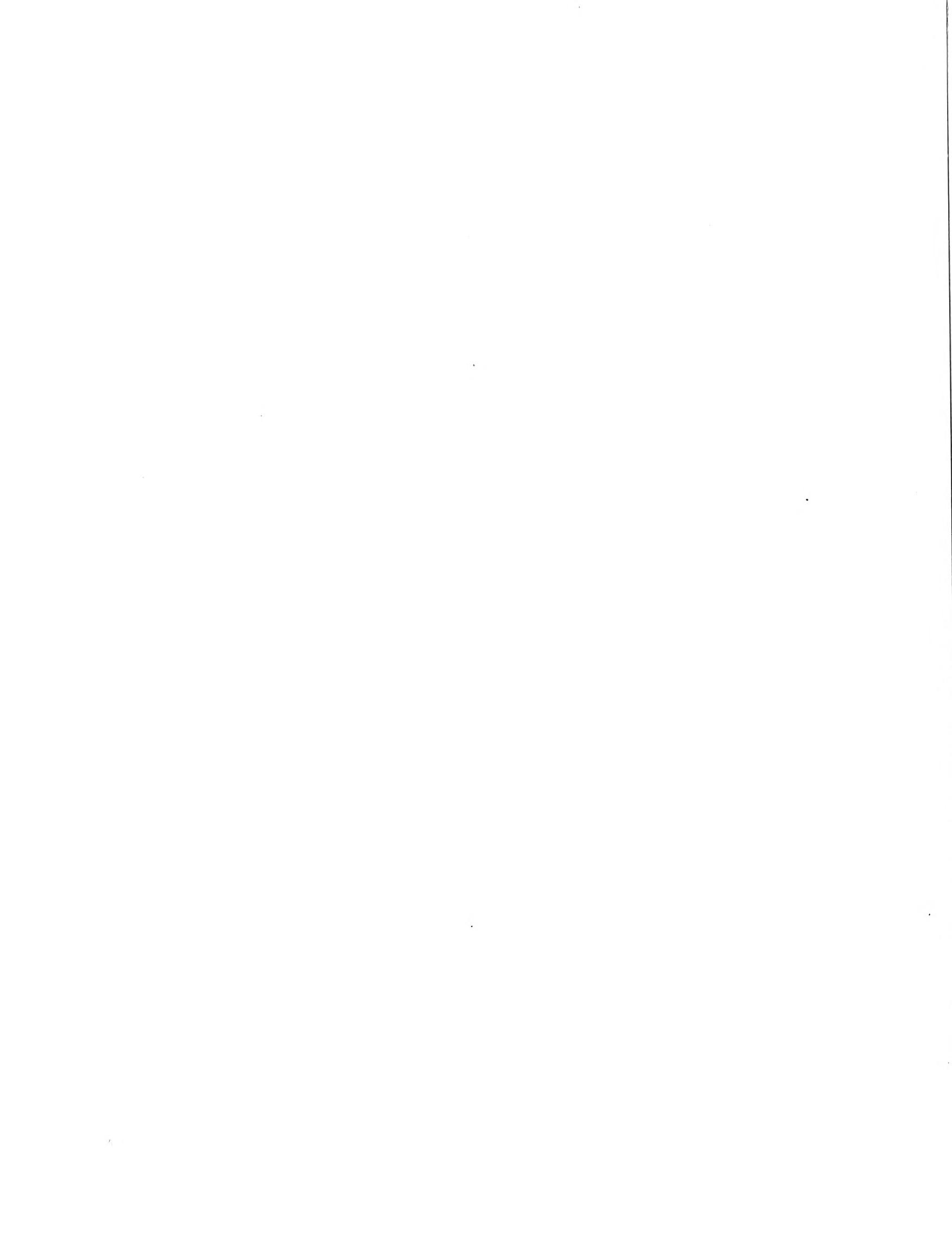
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The gift of .

John C. Green
1862.





SMITT: SCANDINAVIAN FISHES

A HISTORY OF
SCANDINAVIAN FISHES

BY

B. FRIES, C. U. EKSTRÖM, AND C. SUNDEVALL

WITH PLATES

BY

W. VON WRIGHT



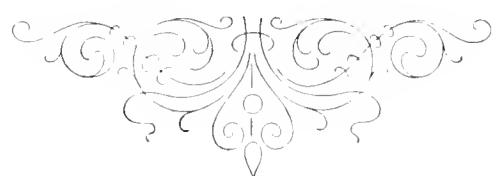
SECOND EDITION

REVISED AND COMPLETED BY

F. A. SMITT

PLATES

PART I



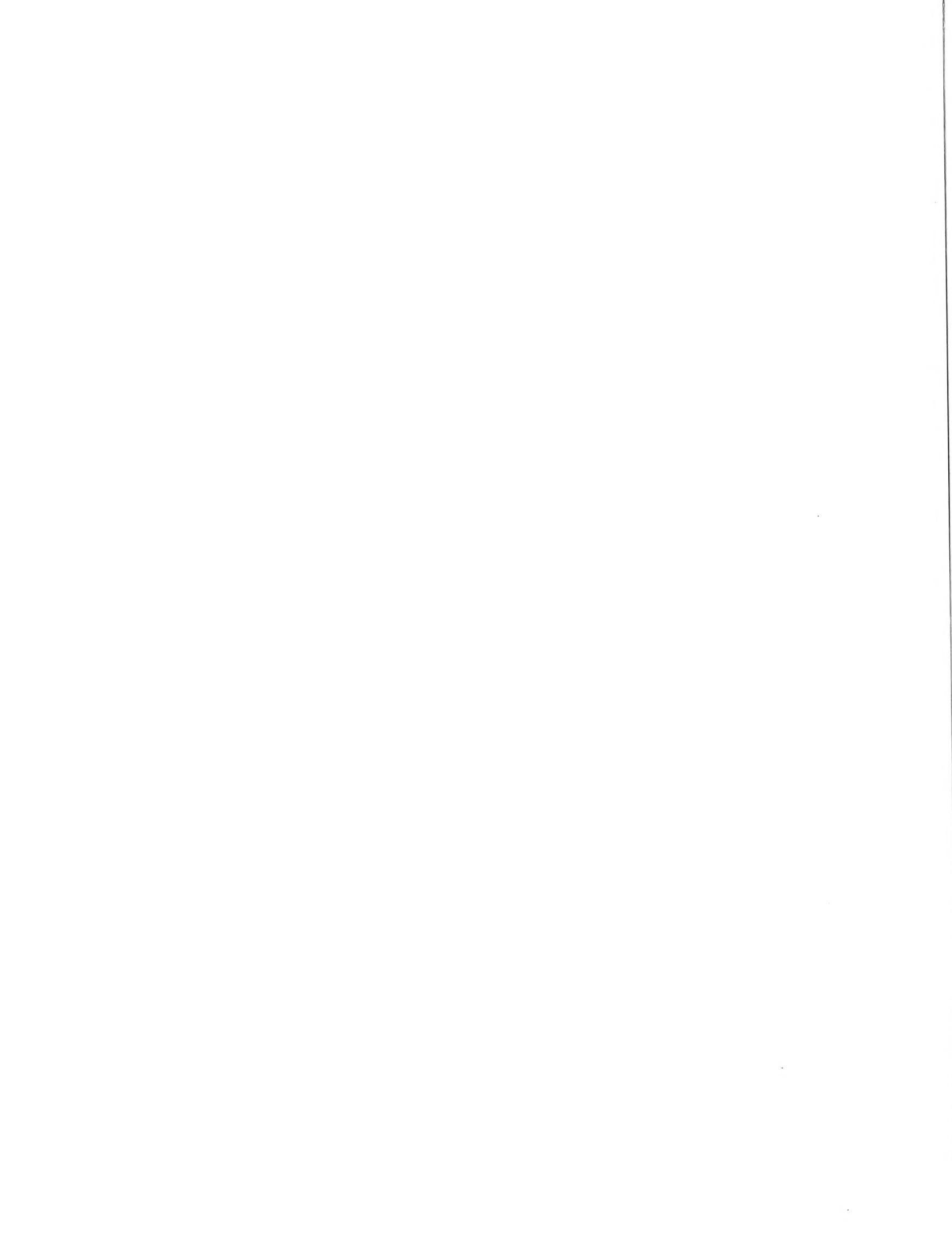
HAN
Gesell

STOCKHOLM 1892

KUNGL. BOKTRYCKERIET. P. A. NORSTEDT & SÖNER

SCANDINAVIAN FISHES

SECOND EDITION



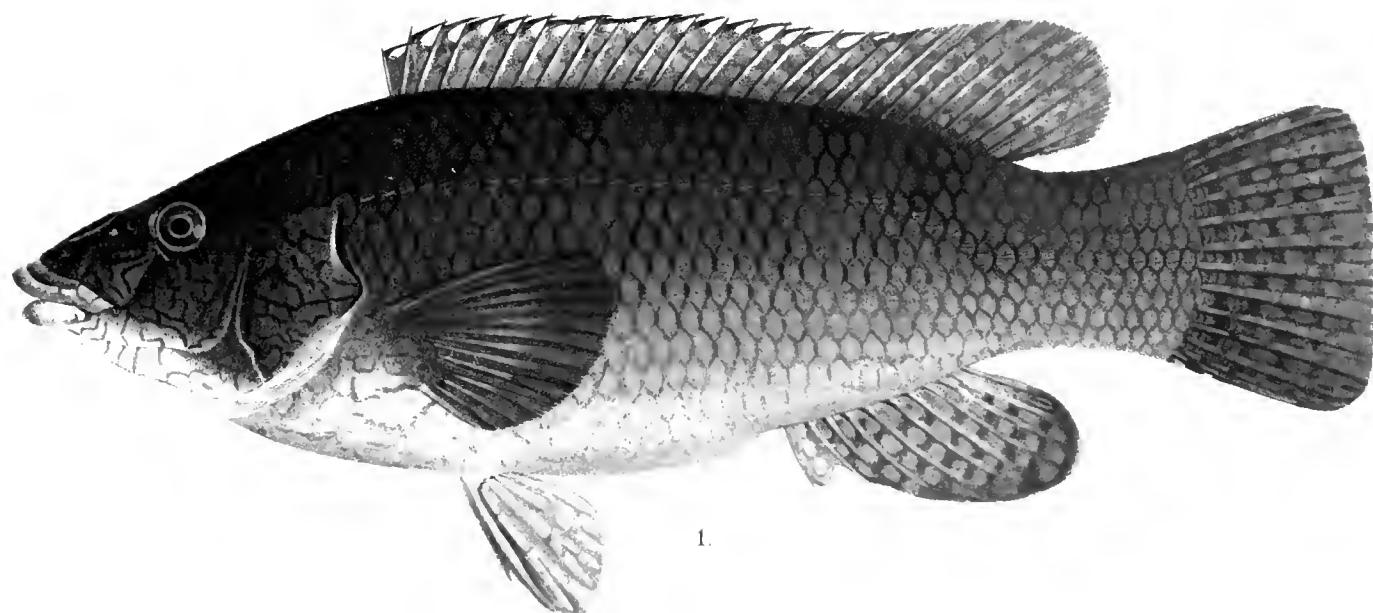
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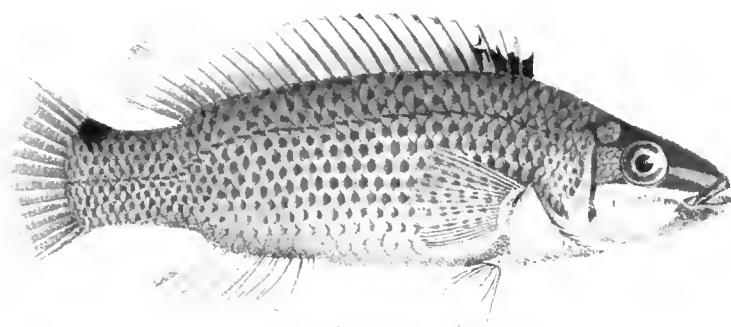


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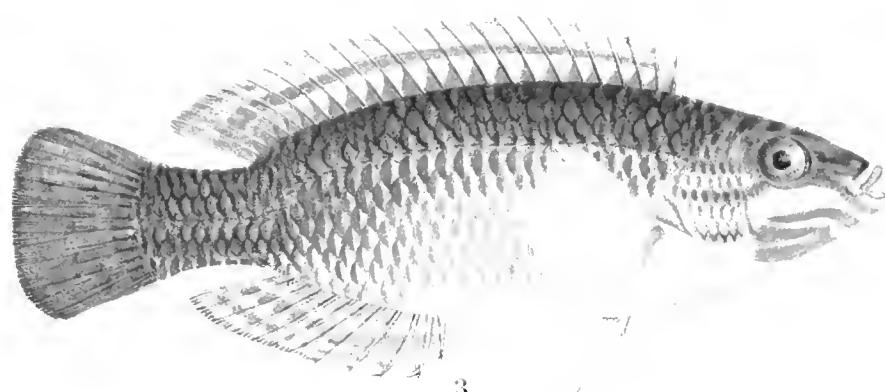
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Aphyia minuta	XIII, 8 and 9.	mixtus	II, 1 and 2.
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Drepanopsetta platessoides	XVII, 3.	flesus	XXI, 1.
Enchelyopus viviparus	XII, 1.	limanda	XX, 3.
Gadus aeglefinus	XXII, 1.	microcephalus	XX, 1.
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minutus	XXIV, 2.	Scophthalmus norvegicus	XIX, 1.
ogac	XXII, A, 1.	Sebastes marinus	IV, 2.
pollachius	XXIV, 3.	Solea vulgaris	XX, 2.
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Gobius flavescens	XIII, 3 and 4.	Trachinus draco	IV, 3.
microps	XIII, 5.	Trigla gurnardus	XI, 1.
		Xiphias gladius	IX, 1.
		Zeugopterus punctatus	XIX, 2.
		Zeus faber	IX, 2.



1.



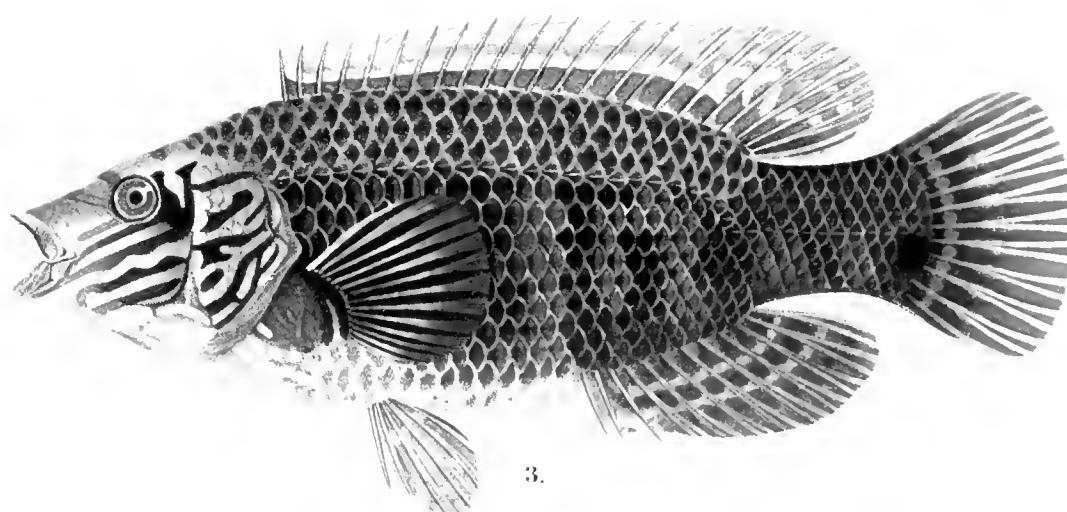
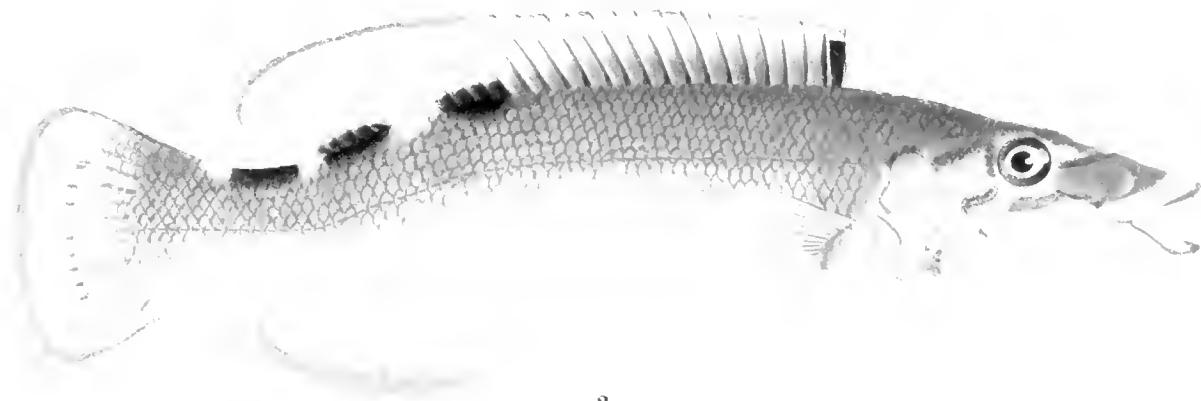
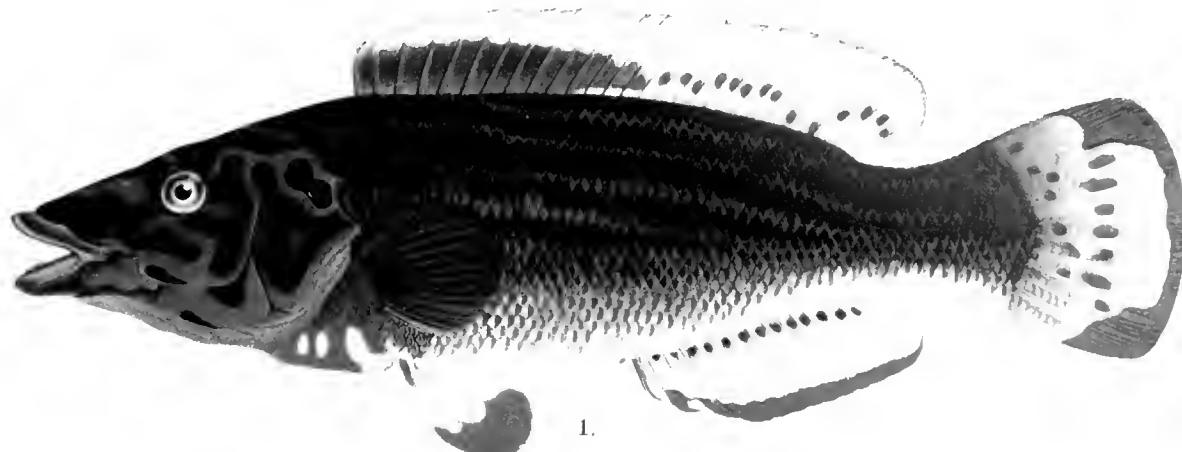
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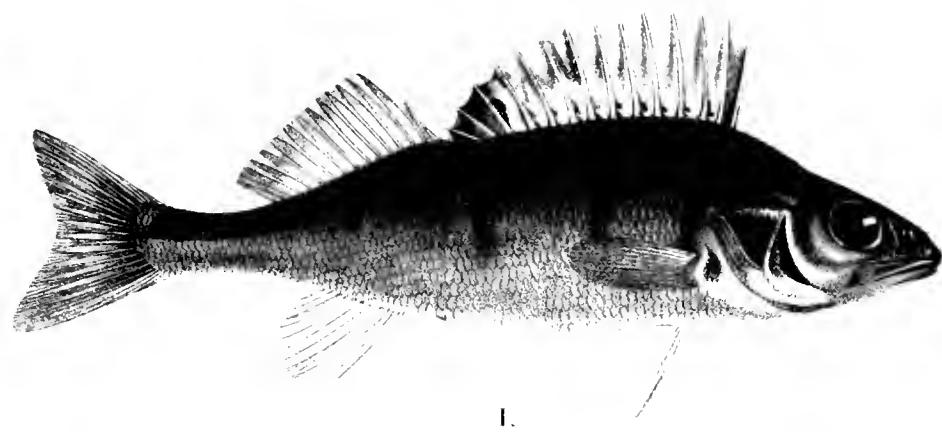
1: *Labrus bergylta*; 2: *Labrus rupestris*; 3: *Labrus exoletus*

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CAMBRIDGE

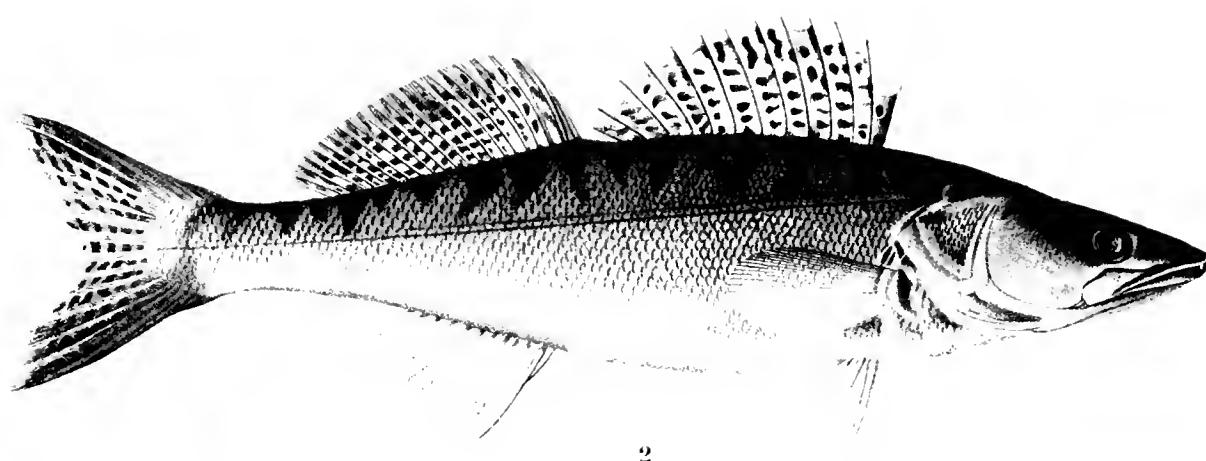


1 et 2. *Labrus mixtus*, 1 ♂, 2 ♀; 3. *Labrus melops*

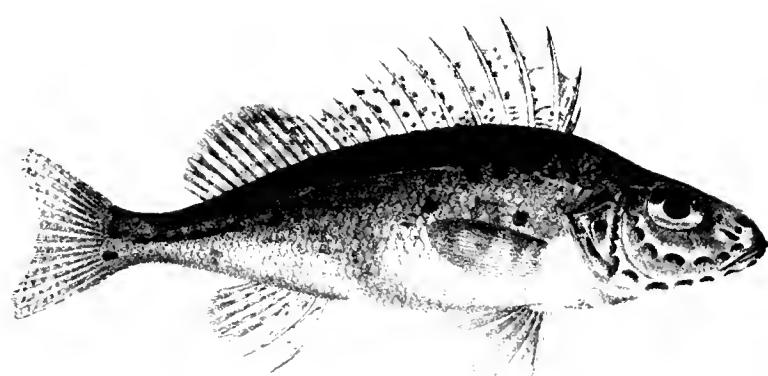
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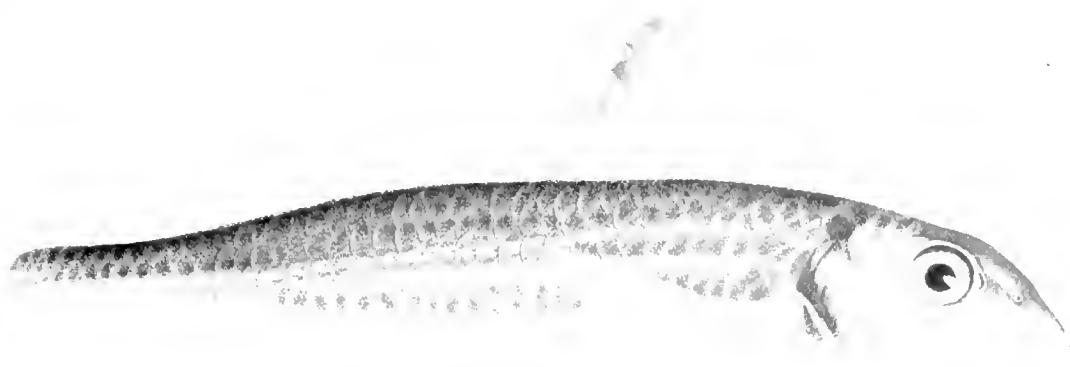
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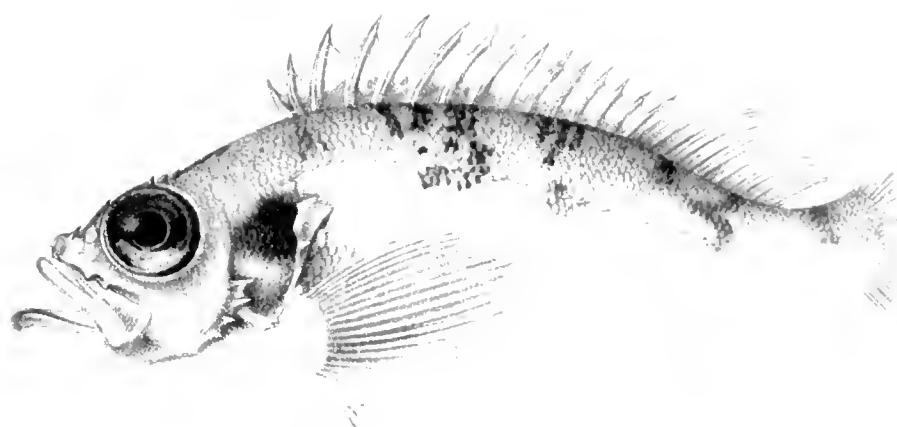
3.

1. *Perca fluviatilis*, 2. *Stizostedion lucioperca*, 3. *Acemna cernua*

MC
HAWAII
CARBON



1.



2.

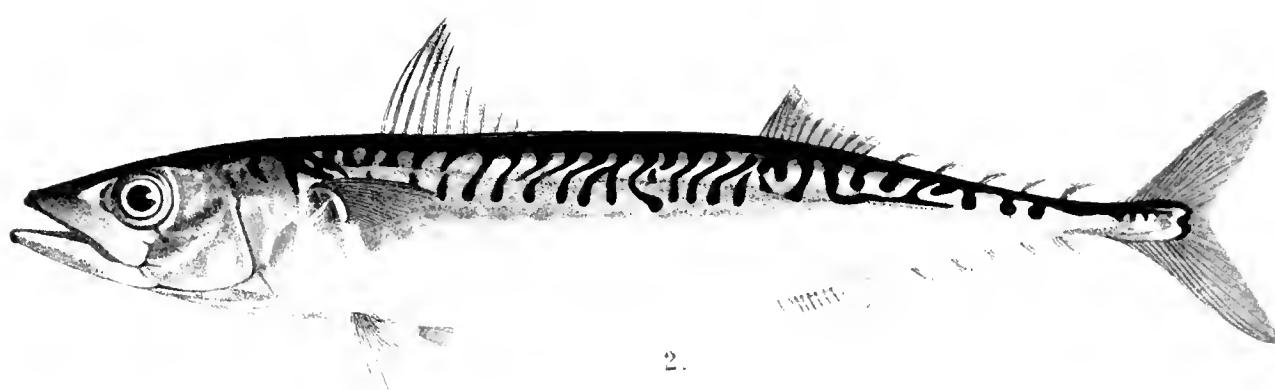


3.

1: *Mullus barbatus*, 2: *Sebastes marinus*, 3: *Trachinus draco*



1.

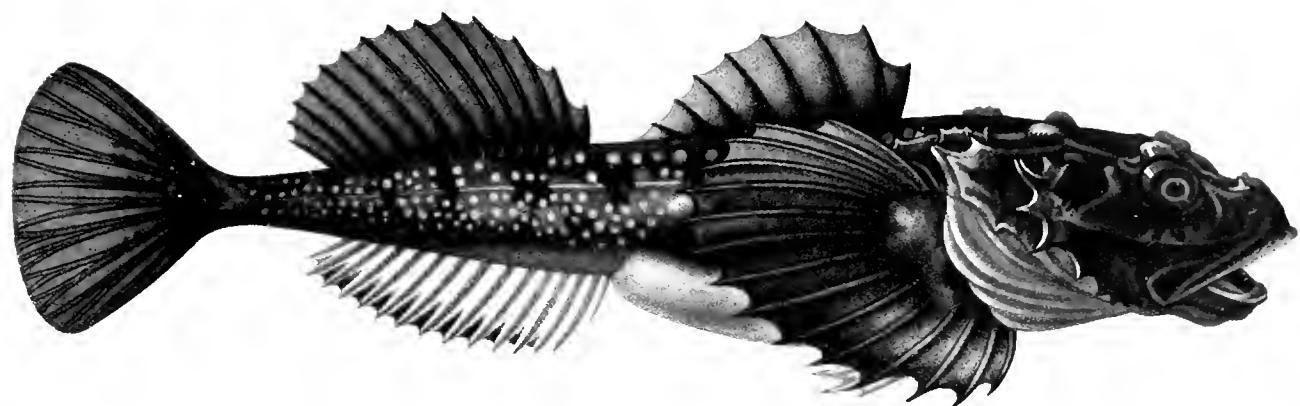


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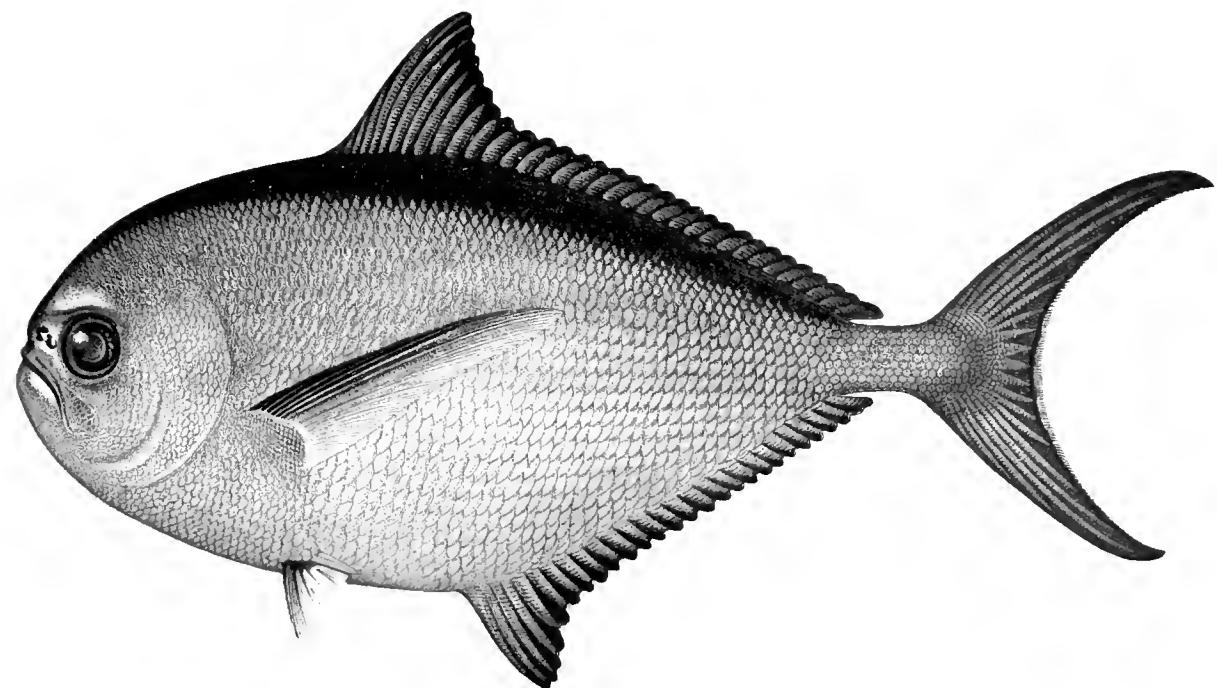


3.

1: *Agonus cataphractus*; 2: *Scomber scombrus*; 3: *Caranx trachurus*



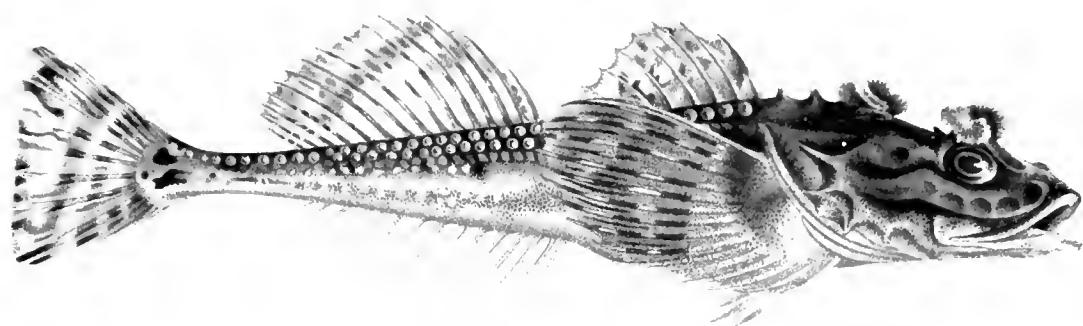
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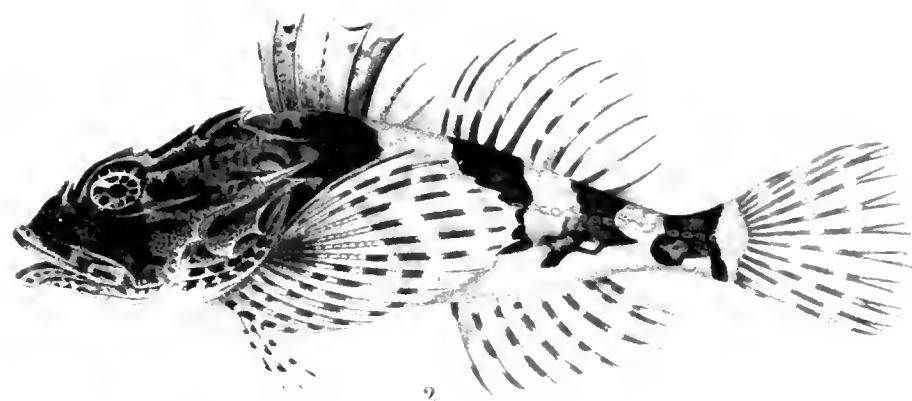
1.

1: *Brama Raii*. 2: *Cottus quadricornis* ♀

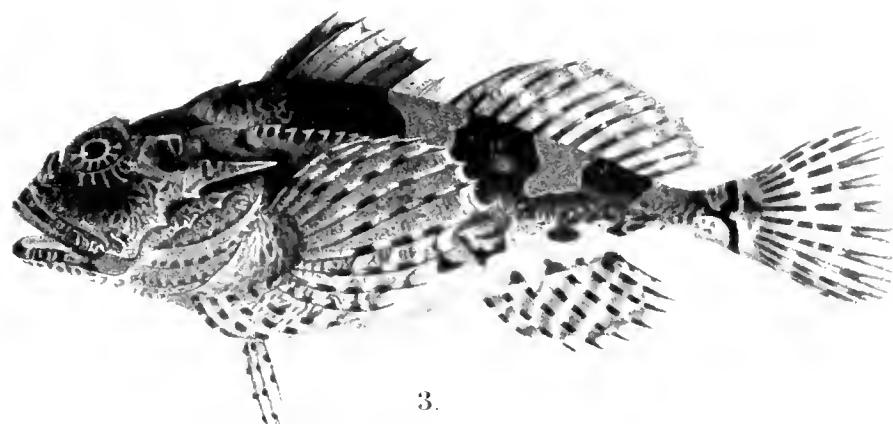
W. Wright print.



1.

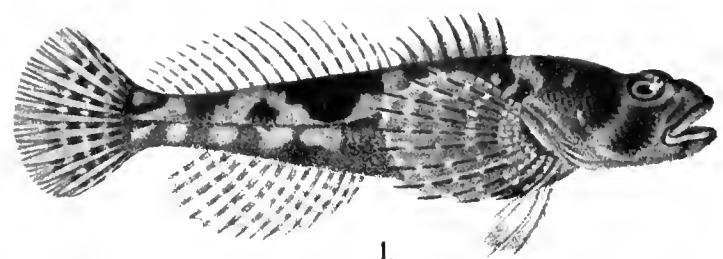


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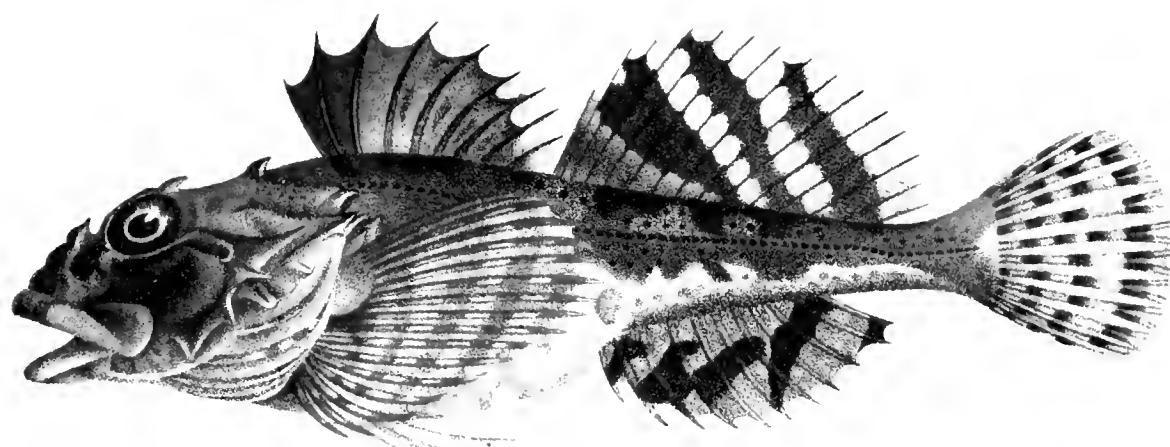


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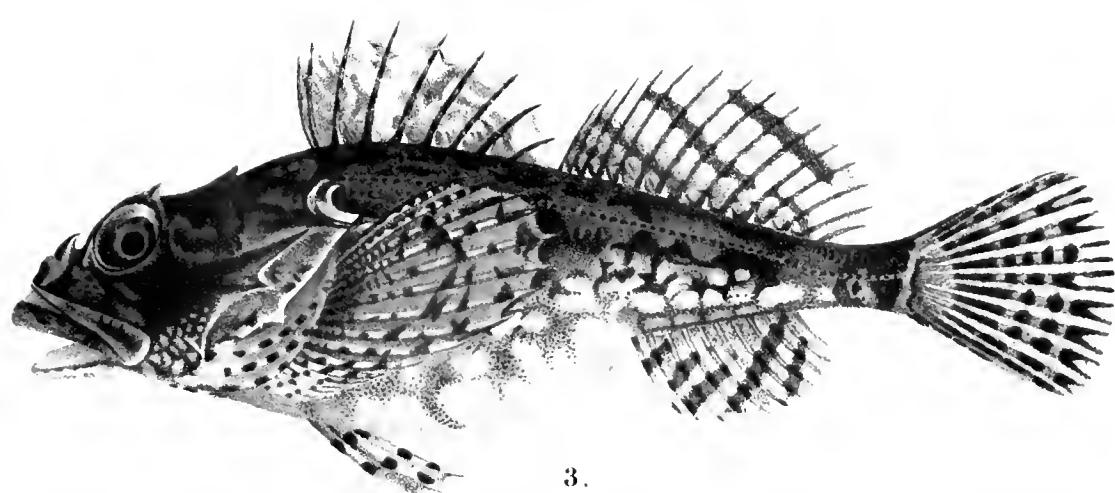
1: *Cottus quadricornis*; 2 et 3: *Cottus bubalis* 2 ♂ 3 ♀



1.



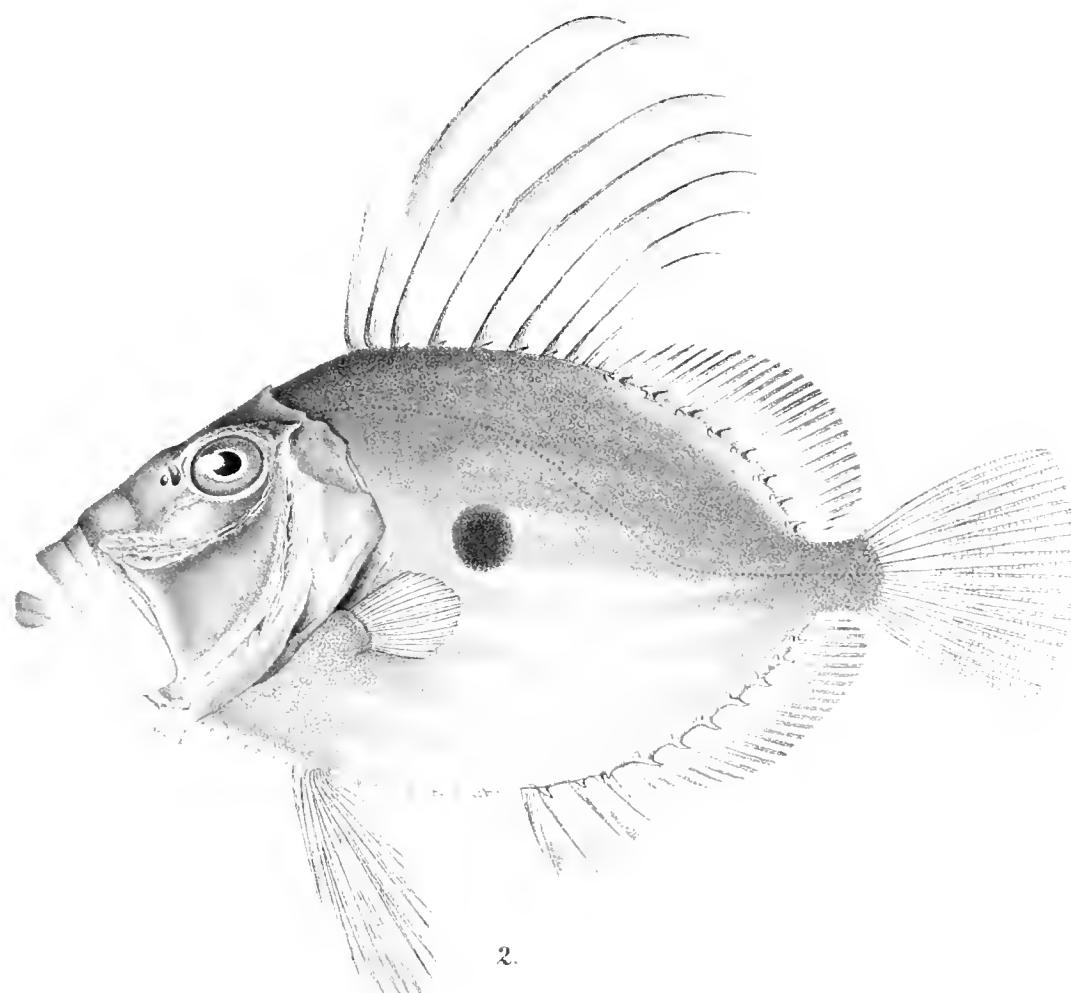
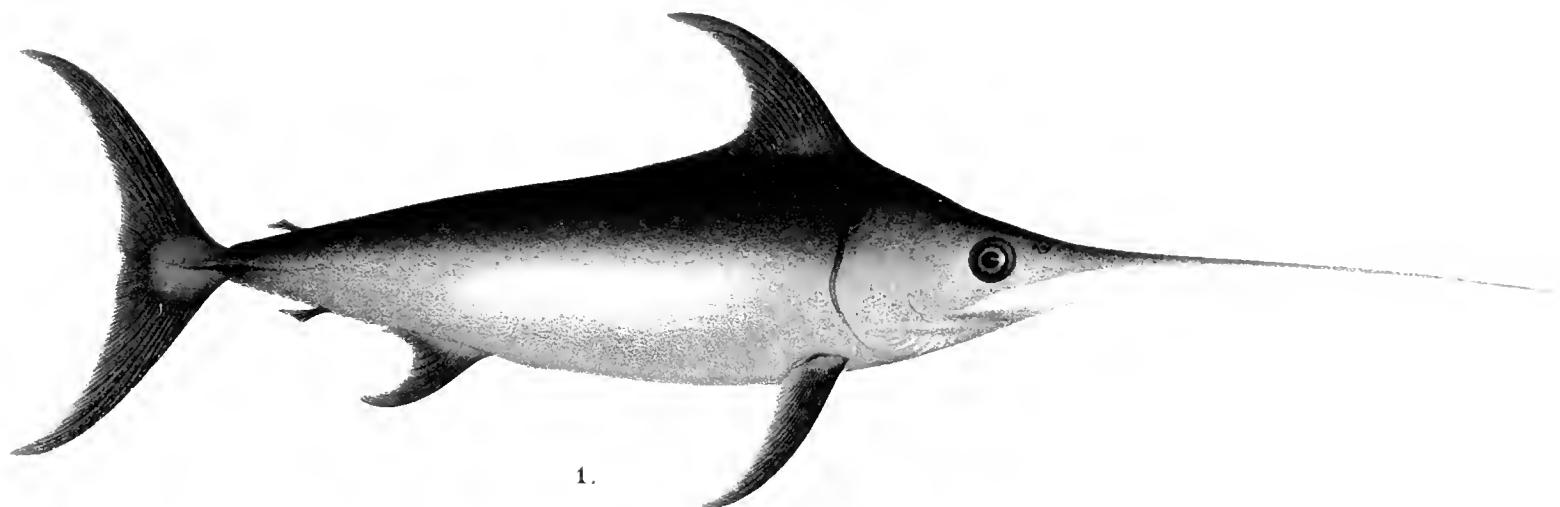
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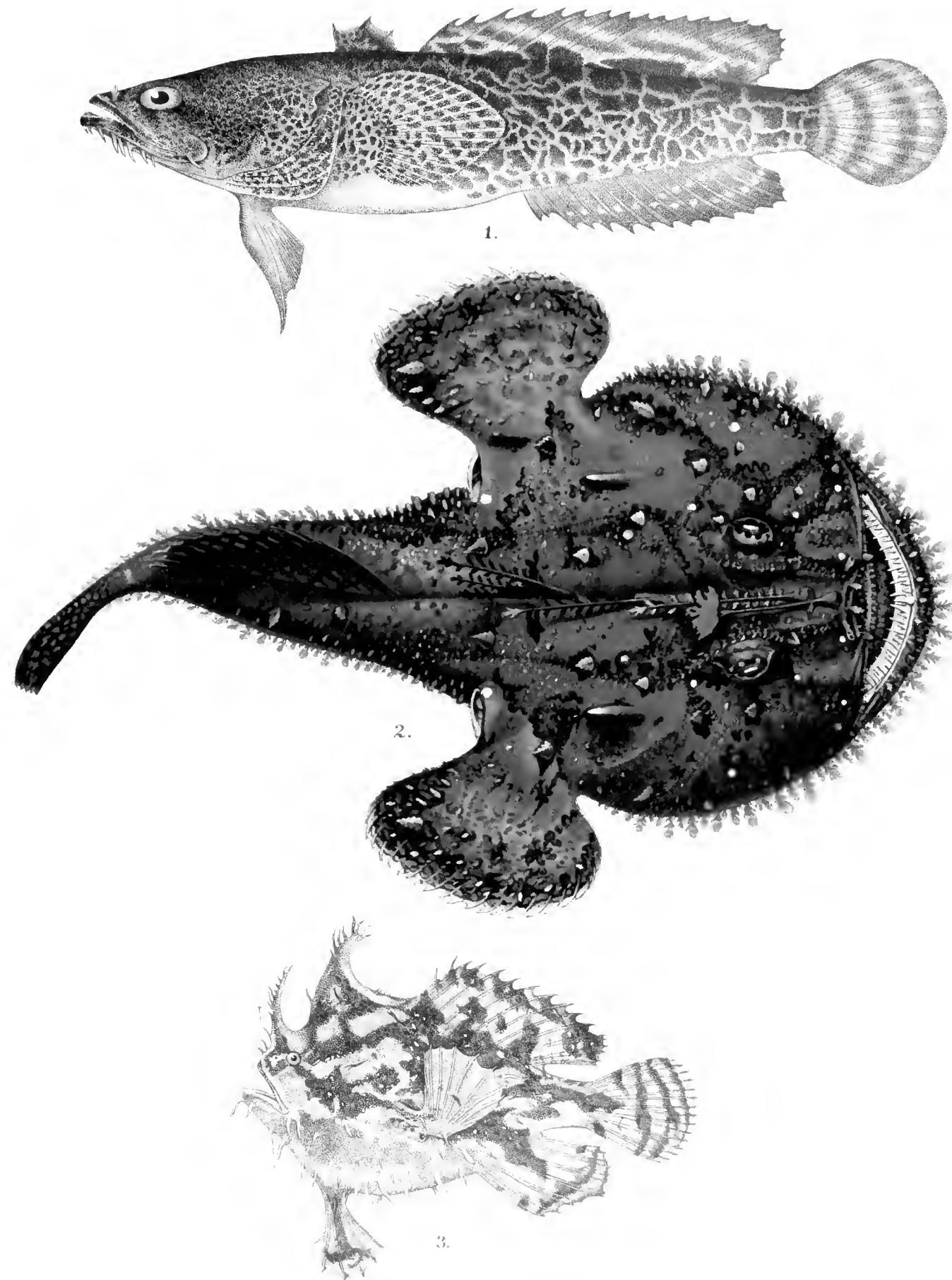
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1: *Cottus gobio*; 2 et 3: *Cottus scorpius*, 2-♂, 3-♀

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1: *Xiphias gladius*; 2: *Zeus faber*.



1: *Batrachus didactylus*; 2: *Lophius piscatorius*; 3: *Antennarius histrio*

MANUFACTURERS' ASSOCIATION
CITY OF NEW YORK, U.S.A.



$$\frac{1}{2} \quad 1$$



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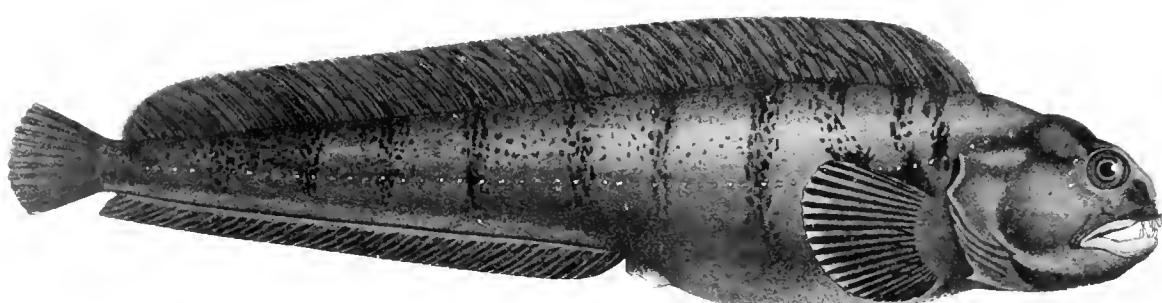
6.

1: *Trigla gurnardus*, 2 et 3: *Chiropogon galerita*, 4: *Lumpenus maculatus*,
 5: *Lumpenus lampretiformis*, 6: *Pholis gunellus*

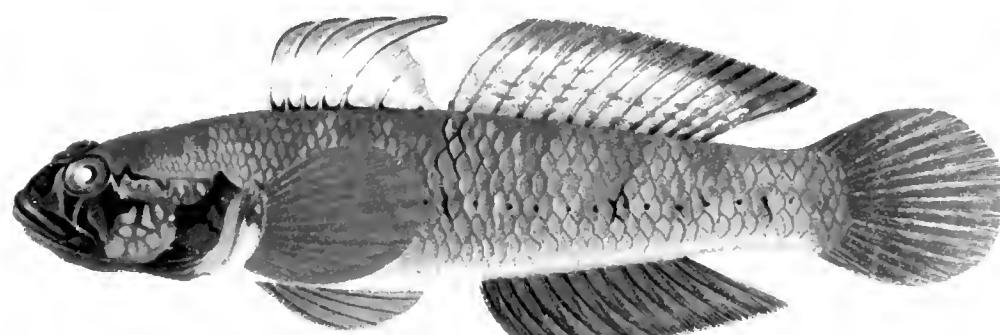
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HARDWARE COMPANY
CANTON OHIO



$\frac{7}{10}$ 1.



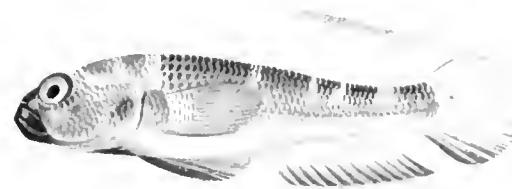
$\frac{1}{4}$ 2.



$\frac{1}{4}$ 3.



5. ♀ juv. $\frac{1}{4}$



4. ♂ $\frac{1}{4}$

1: *Enchelyopus viviparus*, 2: *Anarrhichas lupus*, 3-5: *Gobius niger*

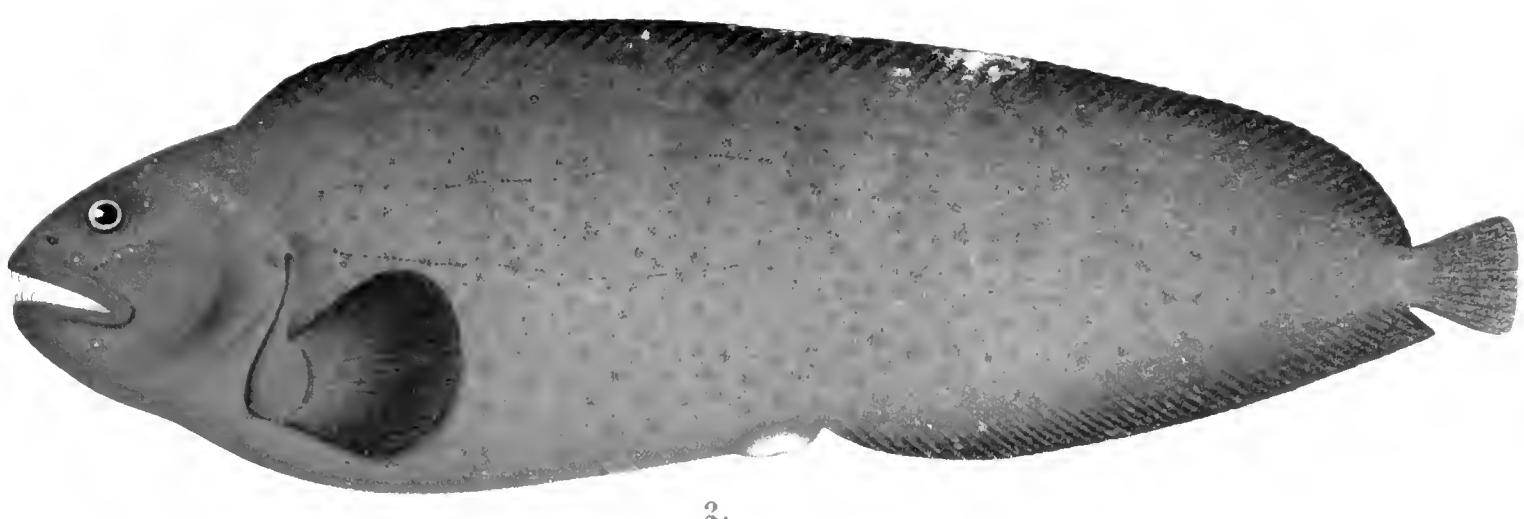
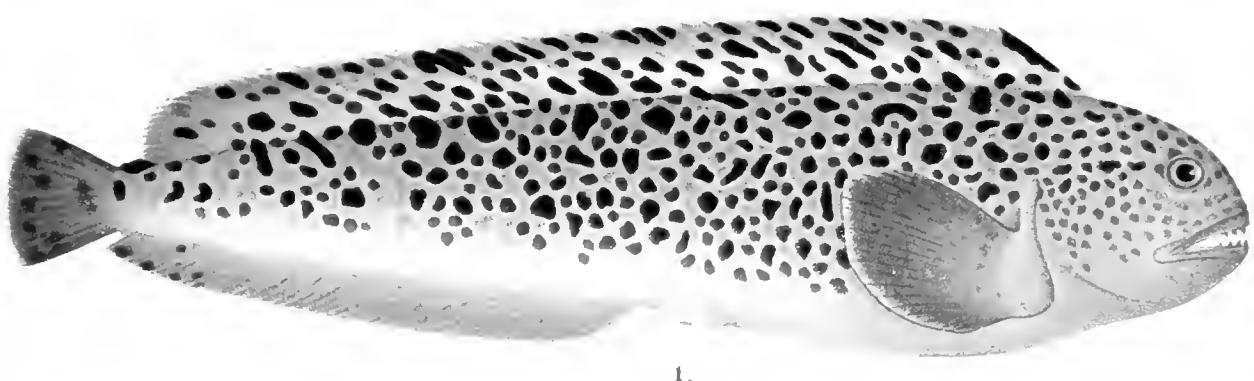
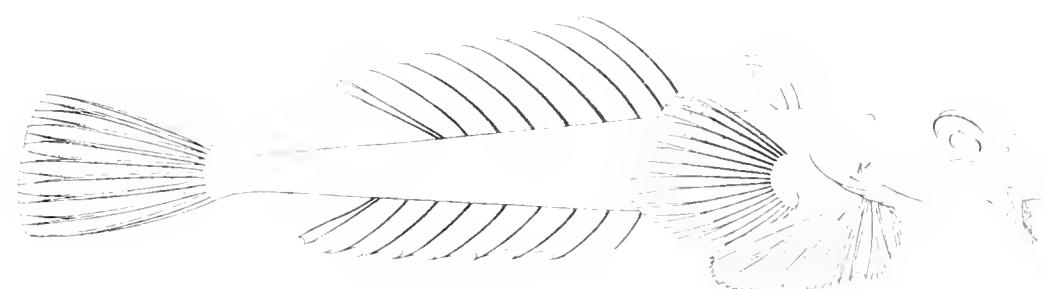
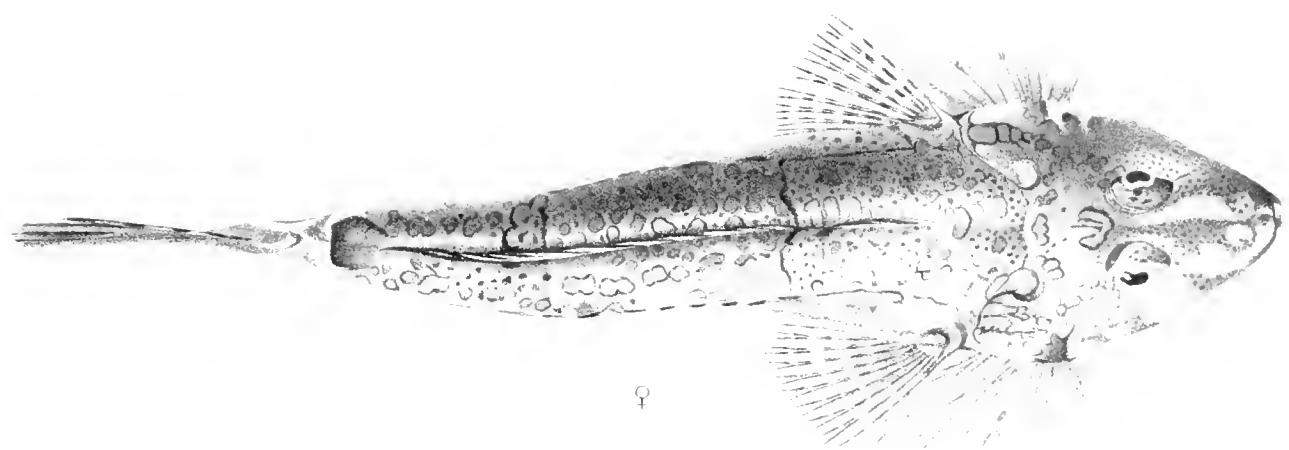
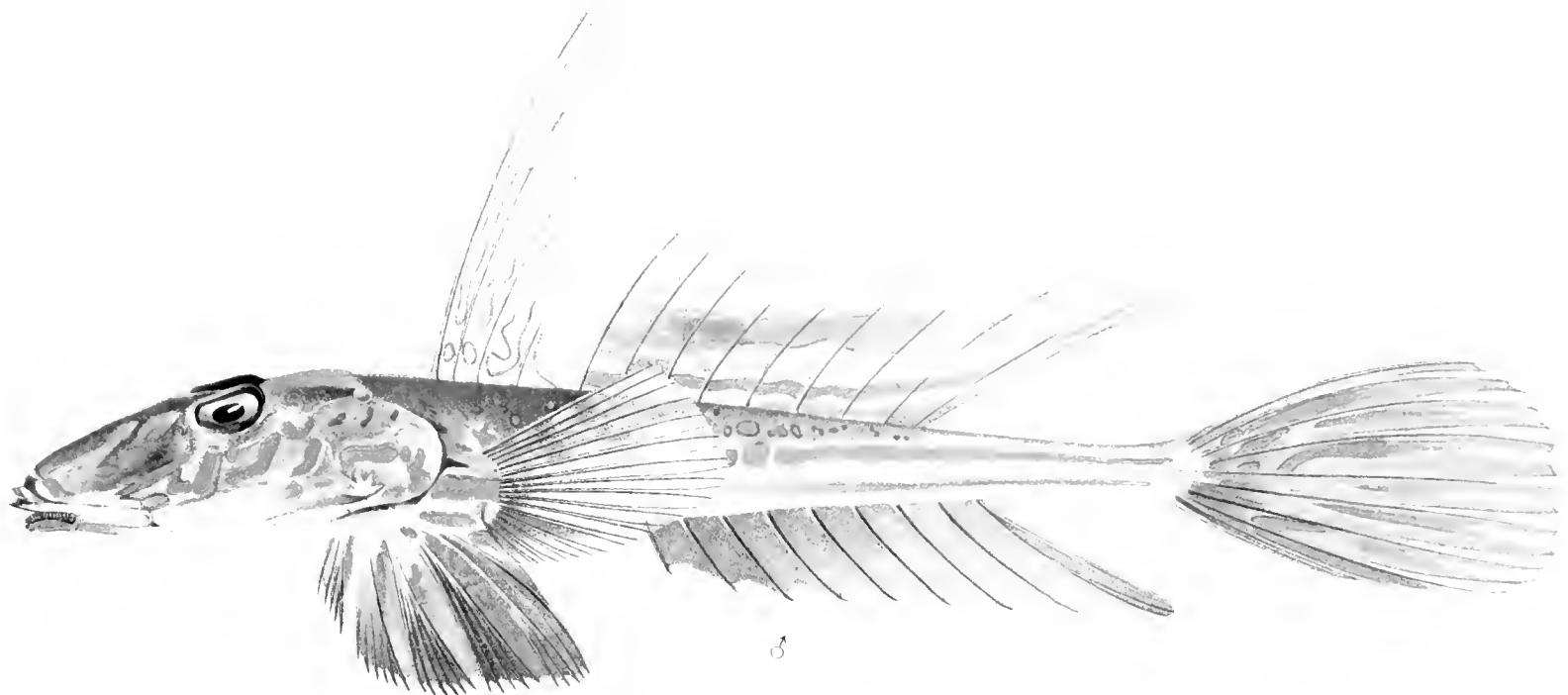
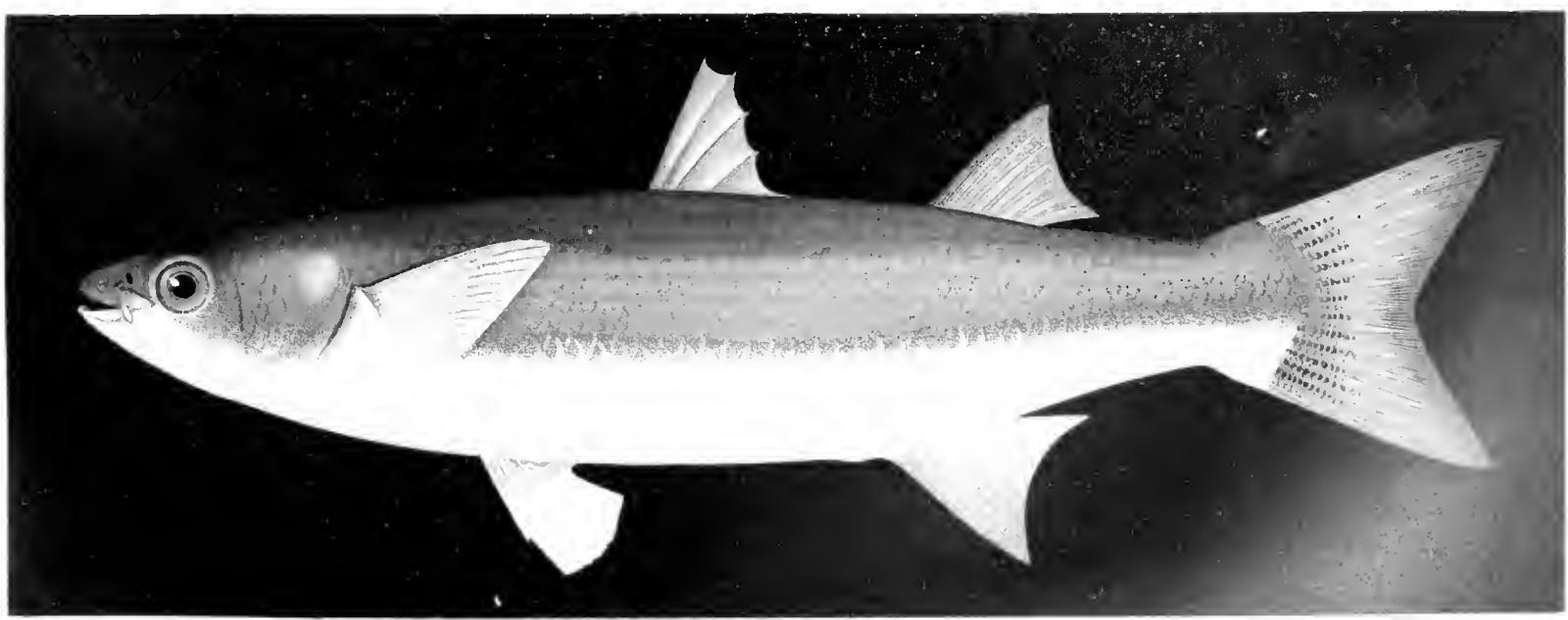
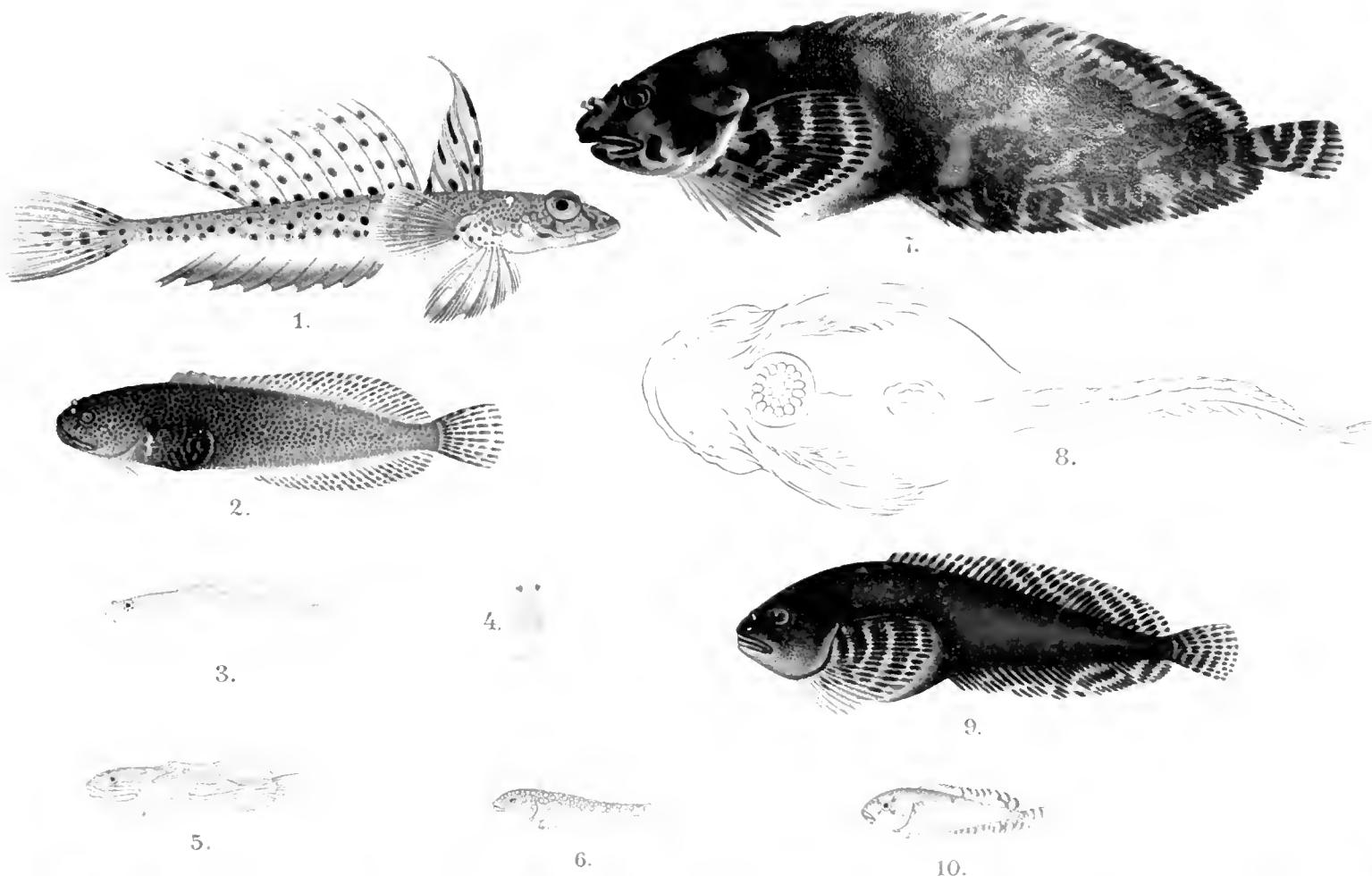


Fig. 1: *Anarrhichas minor*, 2: *Anarrh. latifrons*, 3 et 4: *Gobius flavescens*, 5: *Gob. microps*,
6: *Gob. pictus*; 7: *Gob. minutus*; 8 et 9: *Aphya minuta*.

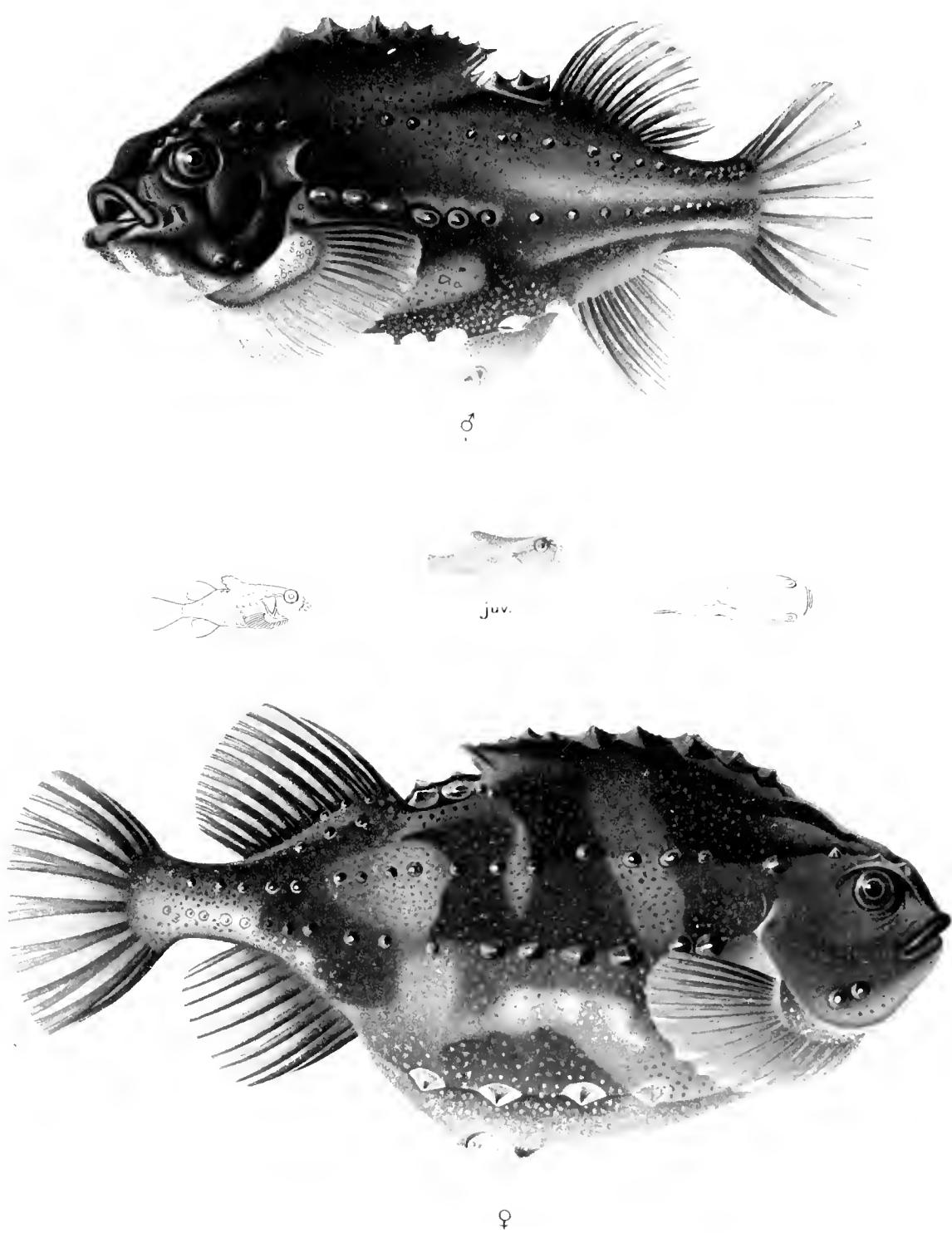


Callionymus lyra.



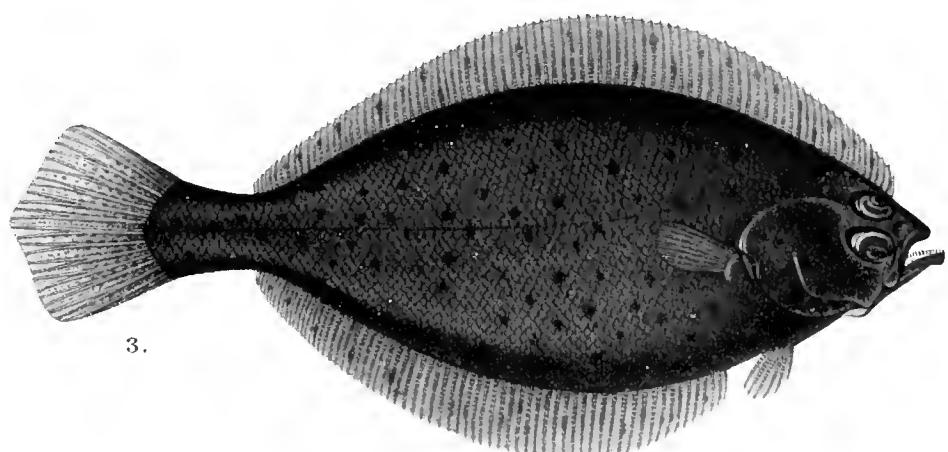
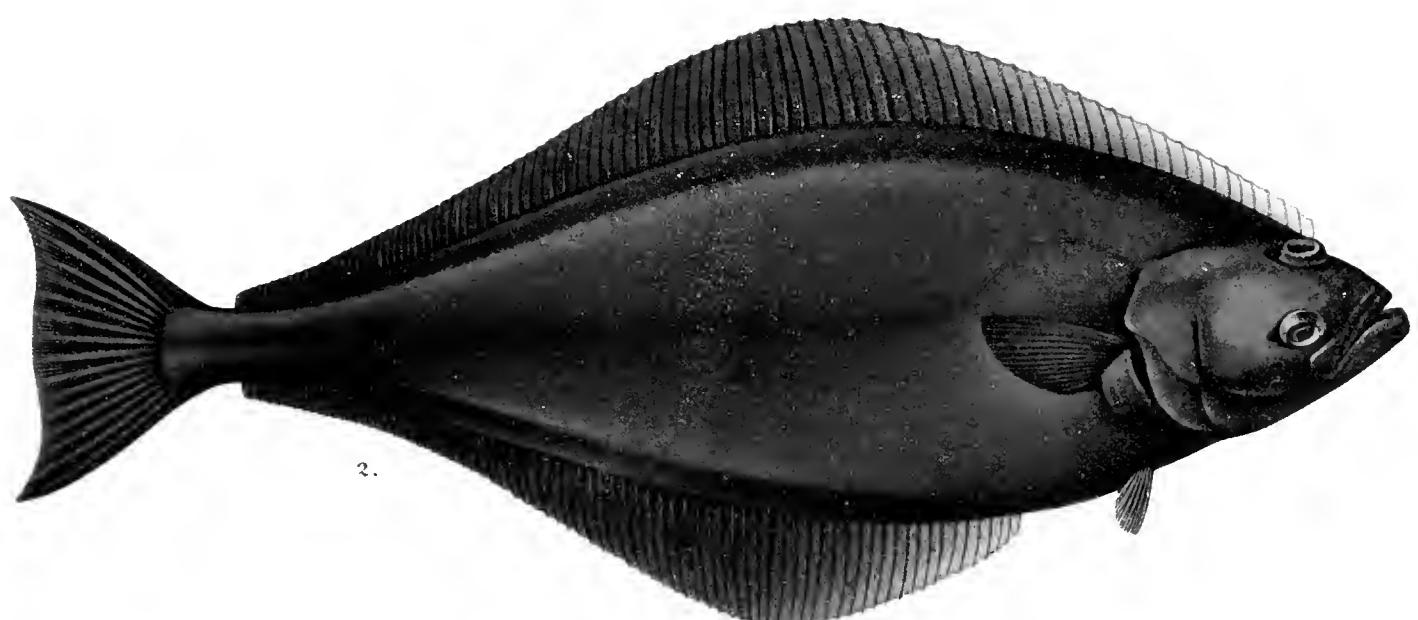
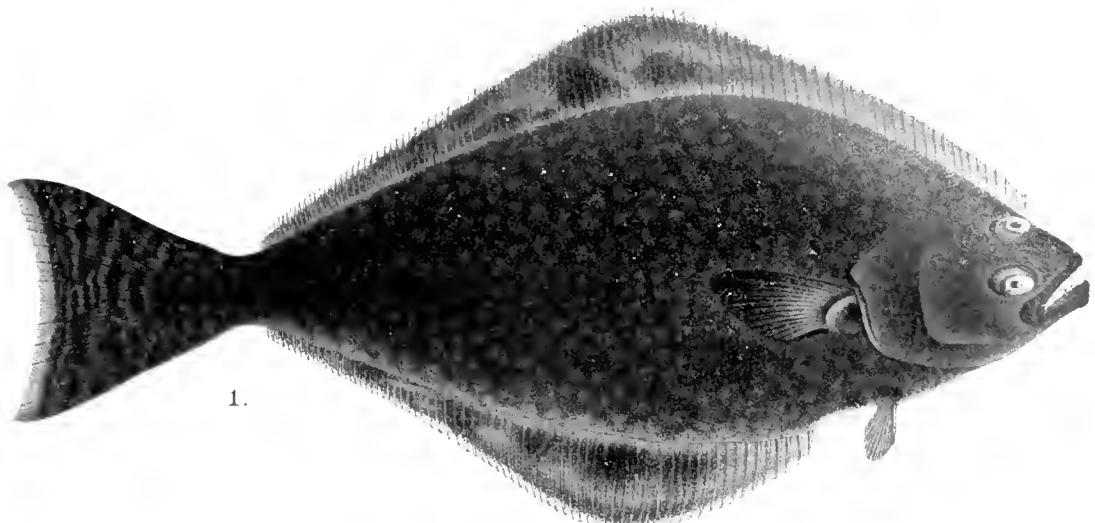
11.

Fig. 1: *Callionymus maculatus*; 2-6: *Cyclogaster* Montagu; 7-10: *Cycl. liparis*; 11: *Mugil chelo*.



Cyclopterus lumpus.

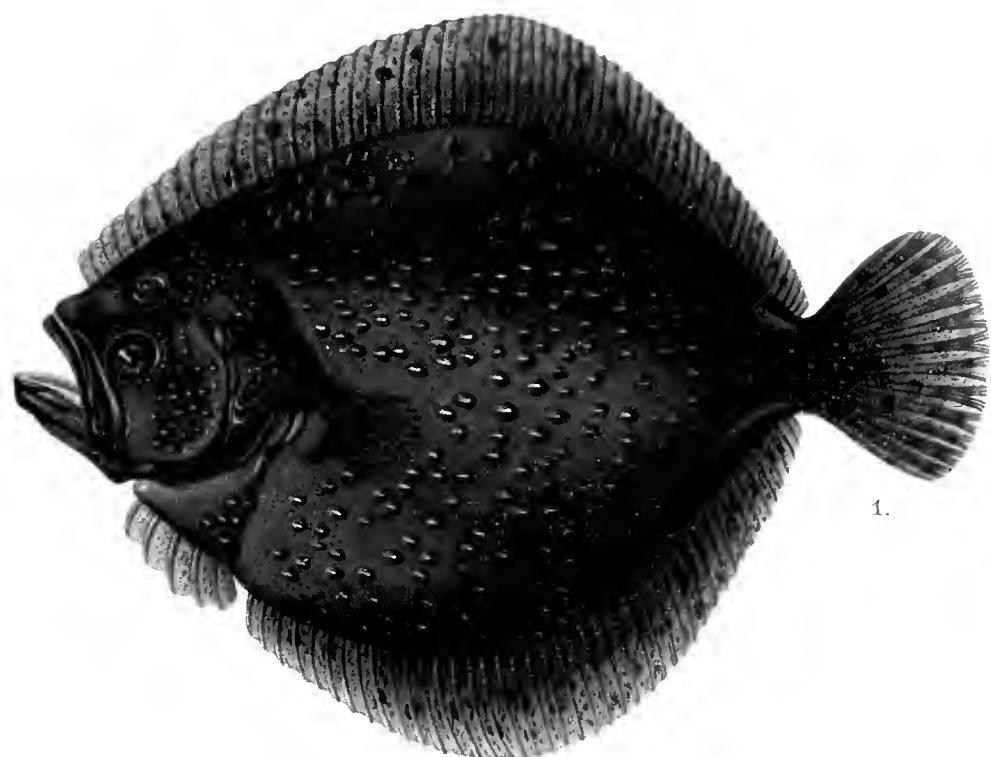
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CAMBRIDGE, MA 02138



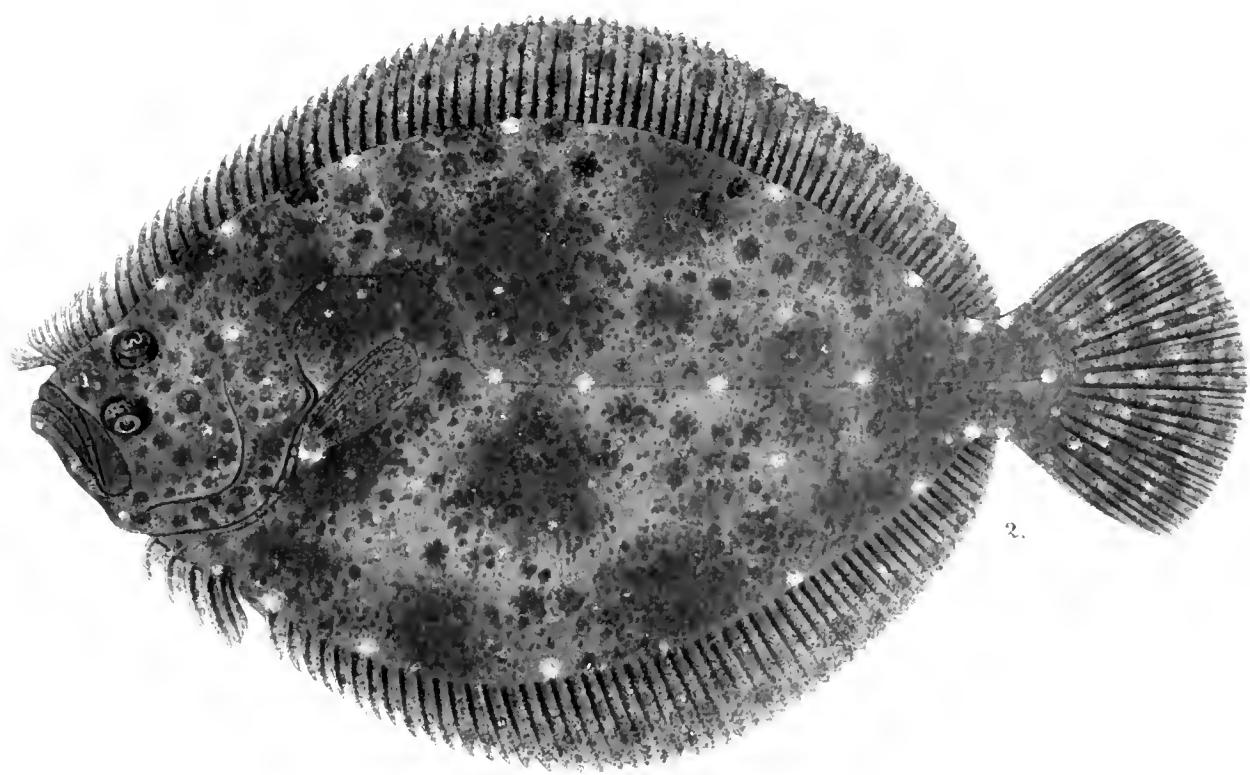
1 et 2: *Hippoglossus vulgaris*, juv. et sen.; 3: *Drepanopsetta plattessoides*.

Fig 1 C Erdmann pinx

„ 2 et 3 W v Wright pinx

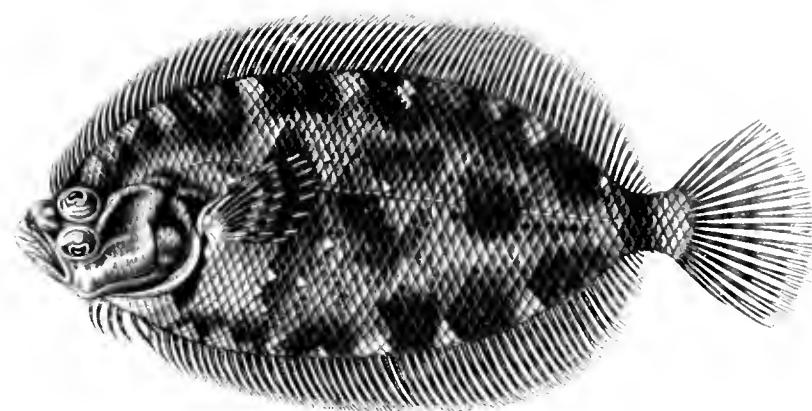


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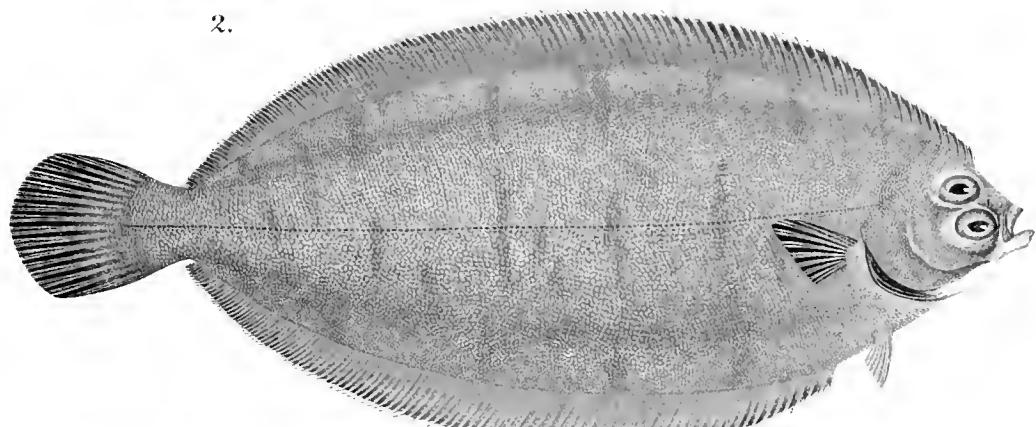
1: *Bothus maximus*; 2: *Bothus rhombus*.



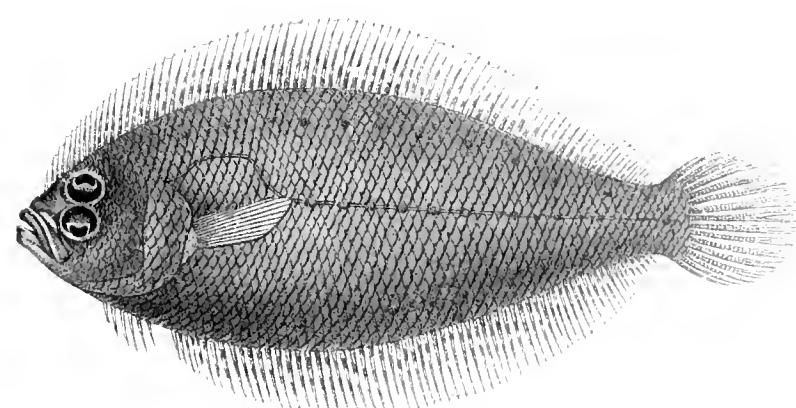
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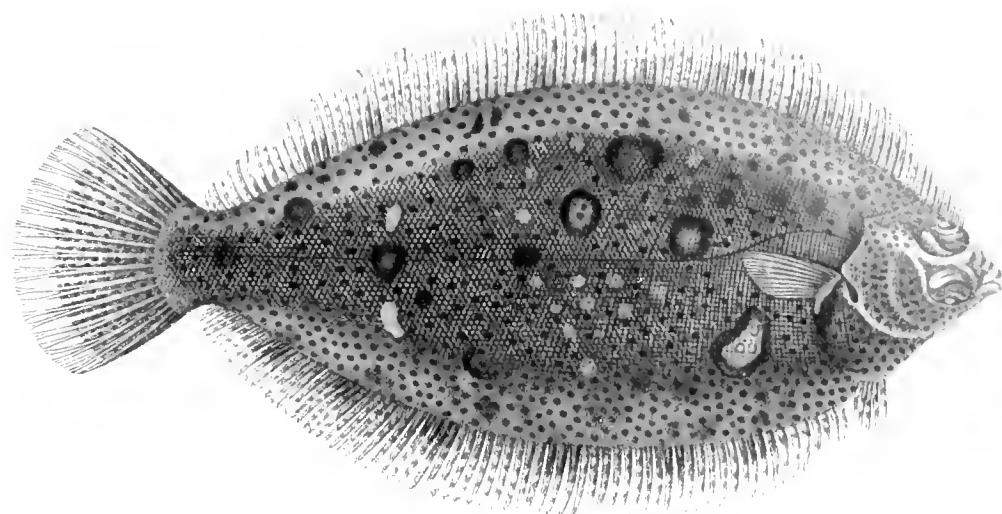
3.



4.

1: *Scophthalmus norvegicus*, 2: *Zeugopterus punctatus* juv.
3: *Pleuronectes cynoglossus*, 4: *Arnoglossus laterna*.

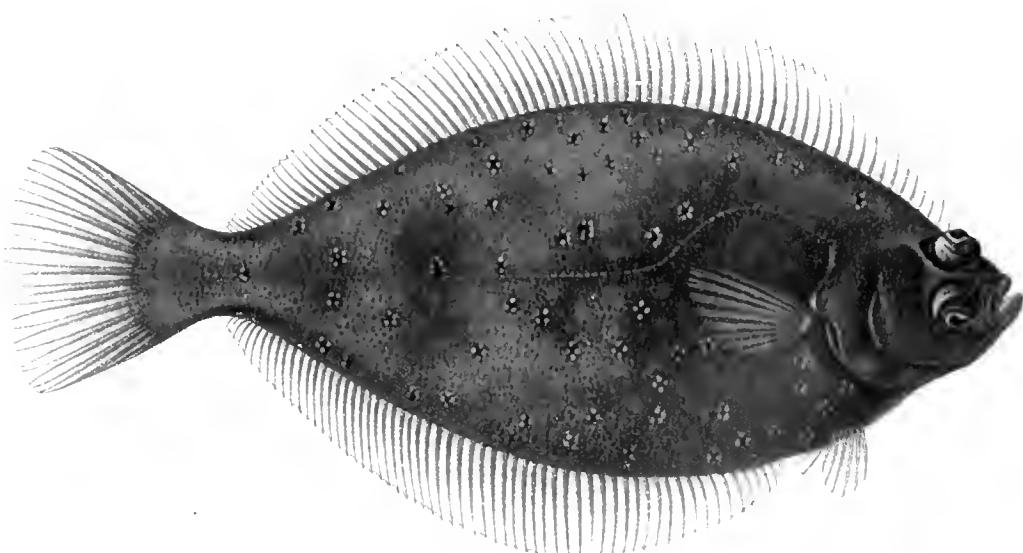
Fig. 1 et 2: W v Wright pinx. fig. 3 C Erdmann pinx
.. 4 Thorneby pinx (apud Malm)



1.



2.



3.

1: *Pleuronectes microcephalus*, 2: *Solea vulgaris*, 3: *Pleuronectes limanda*.

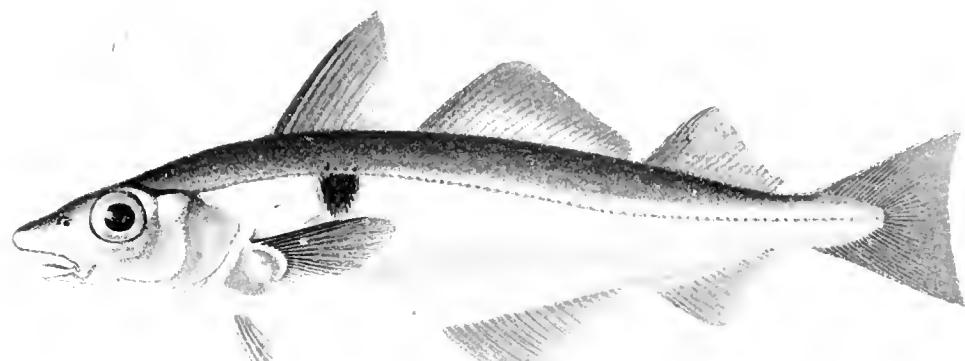


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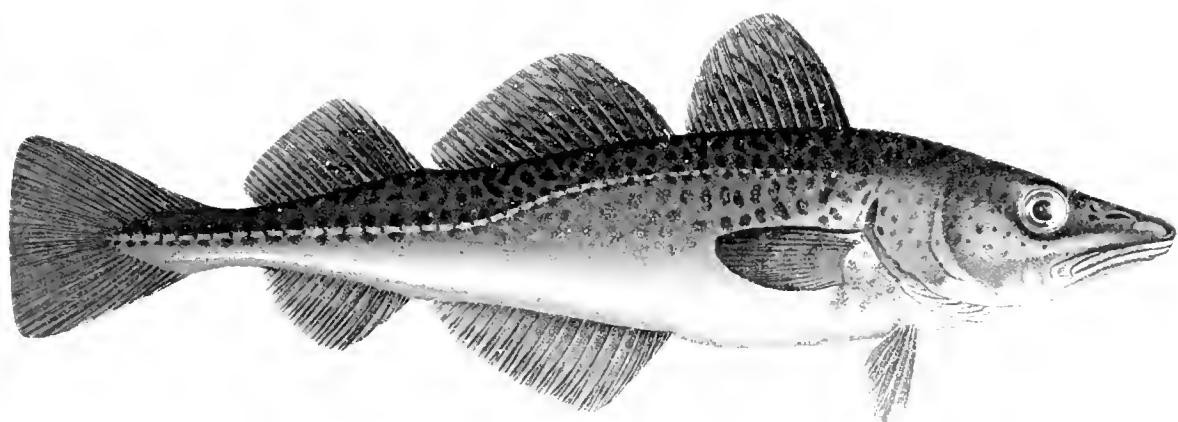


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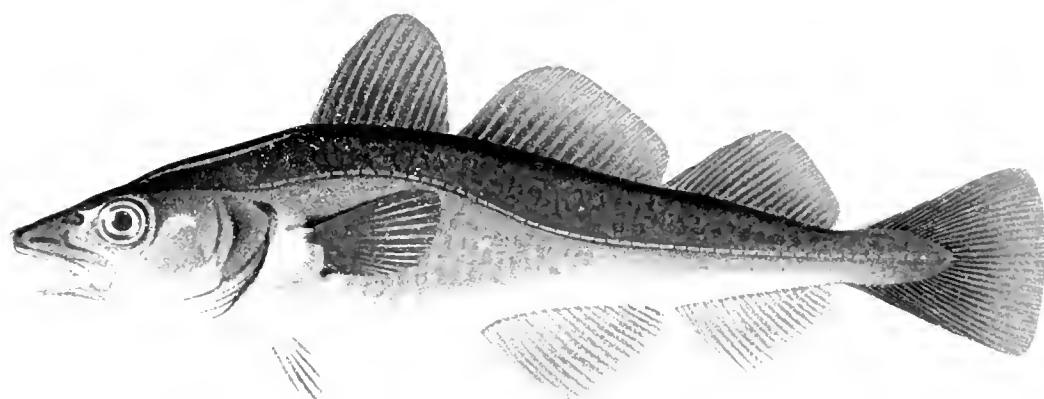
1: *Pleuronectes flesus*; 2: *Pleuronectes platessa*



1.

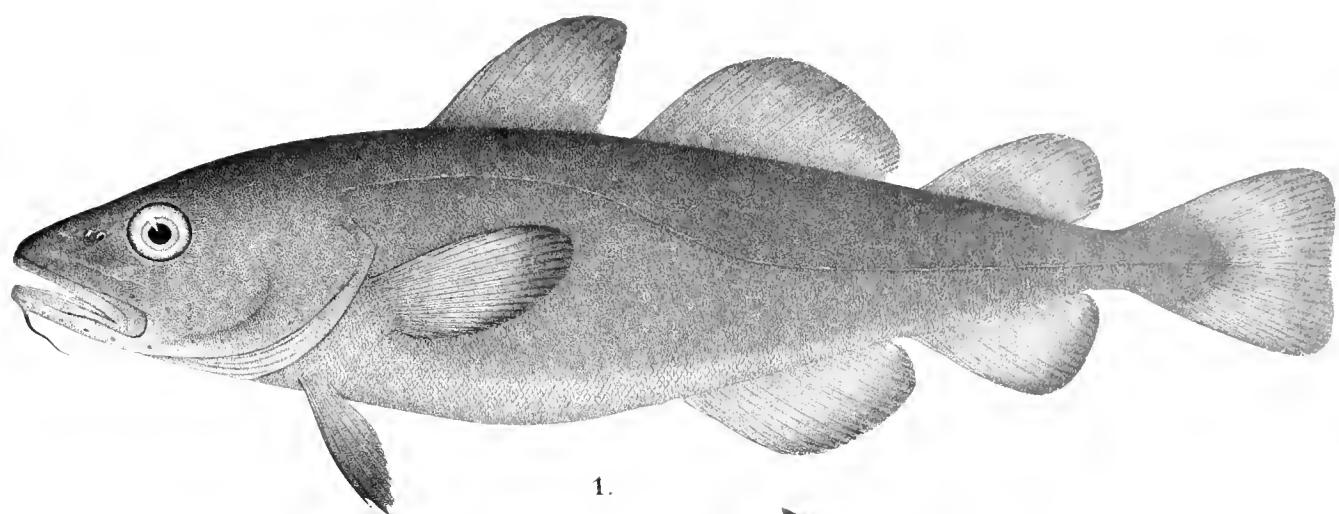


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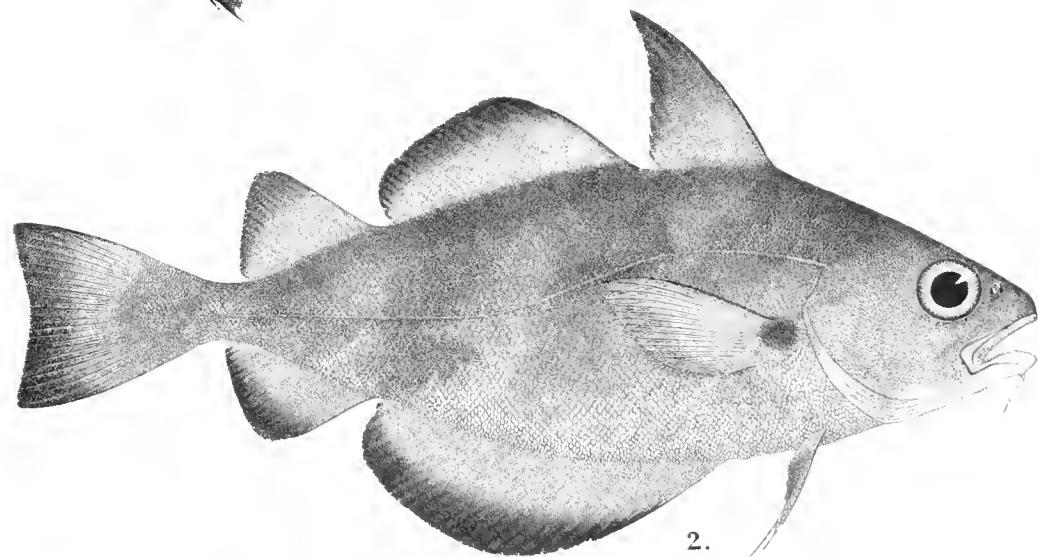


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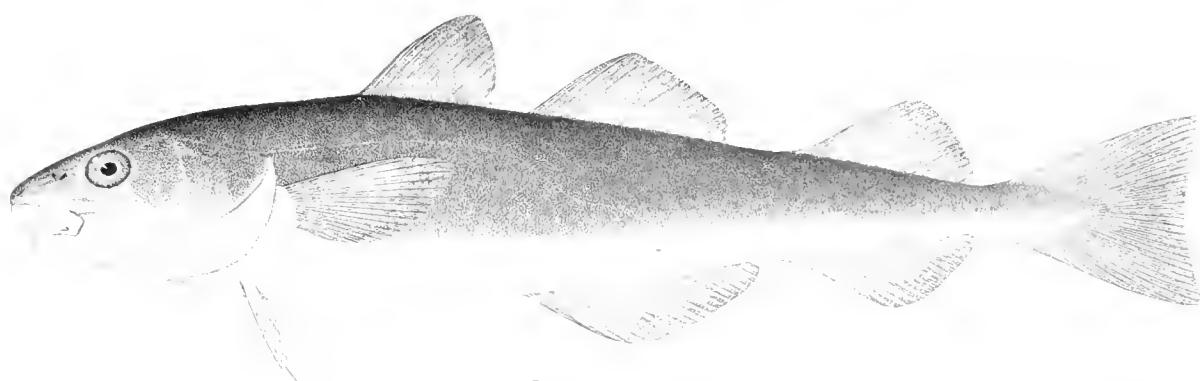
1: *Gadus aeglefinus*, 2 et 3: *Gadus callarias*.



1.

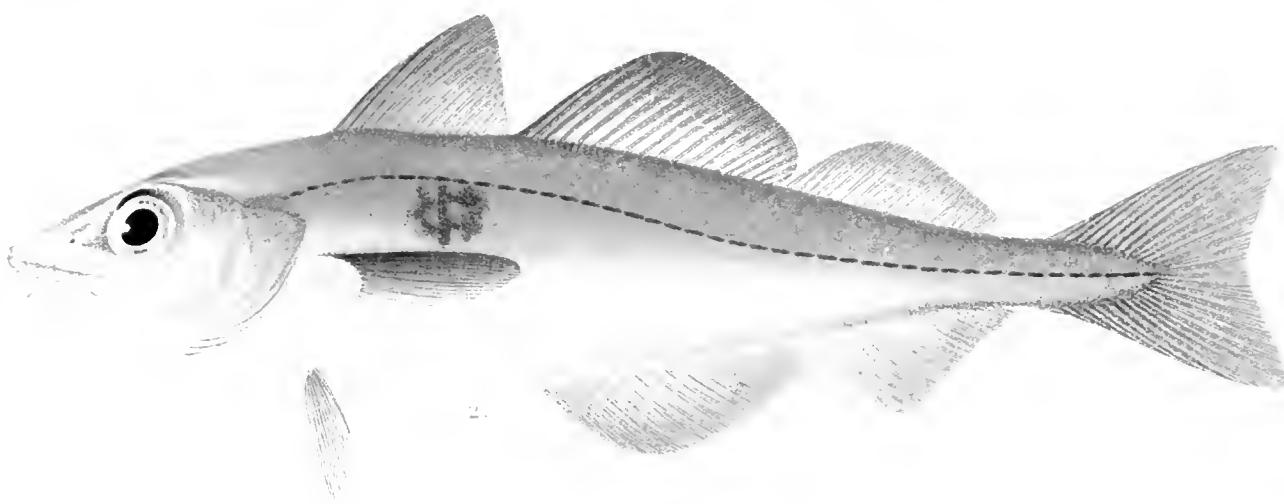
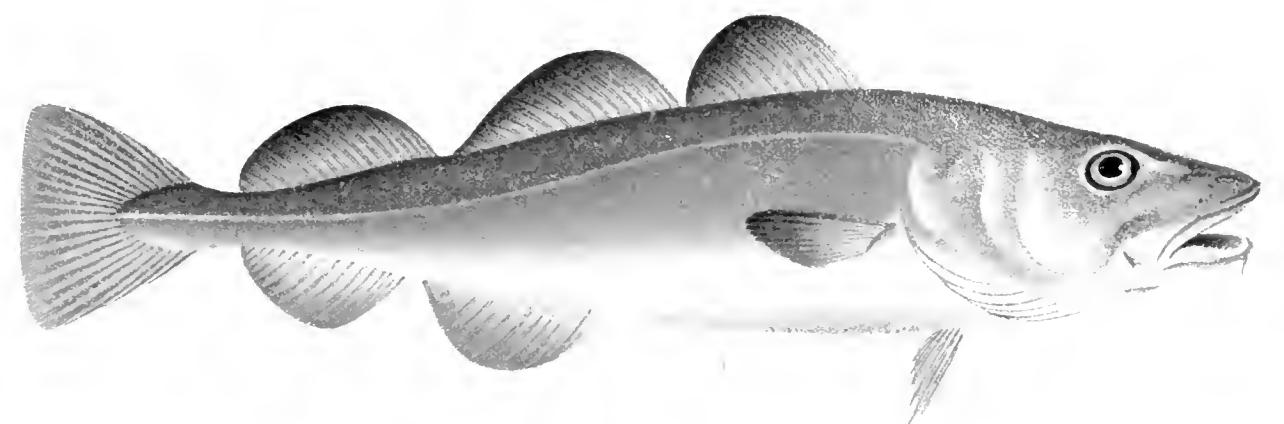


2.



3.

1: *Gadus ogac*; 2: *G. luscus*; 3: *G. gracilis*.



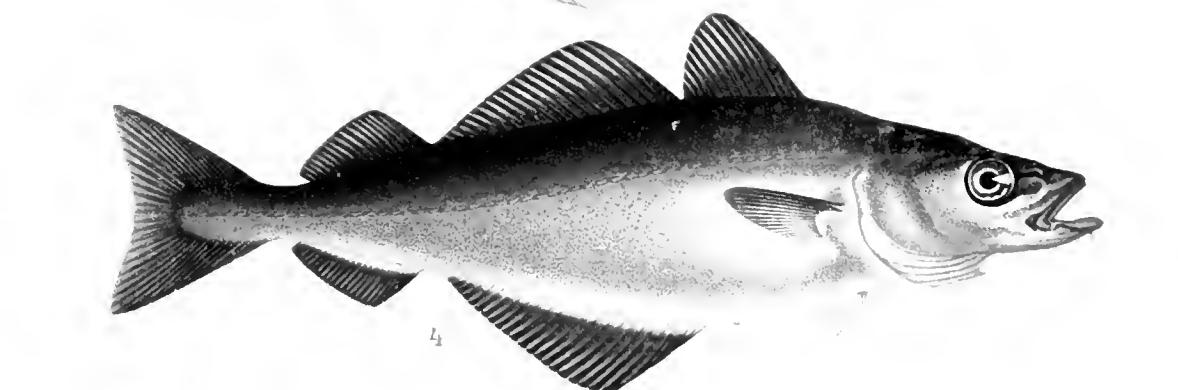
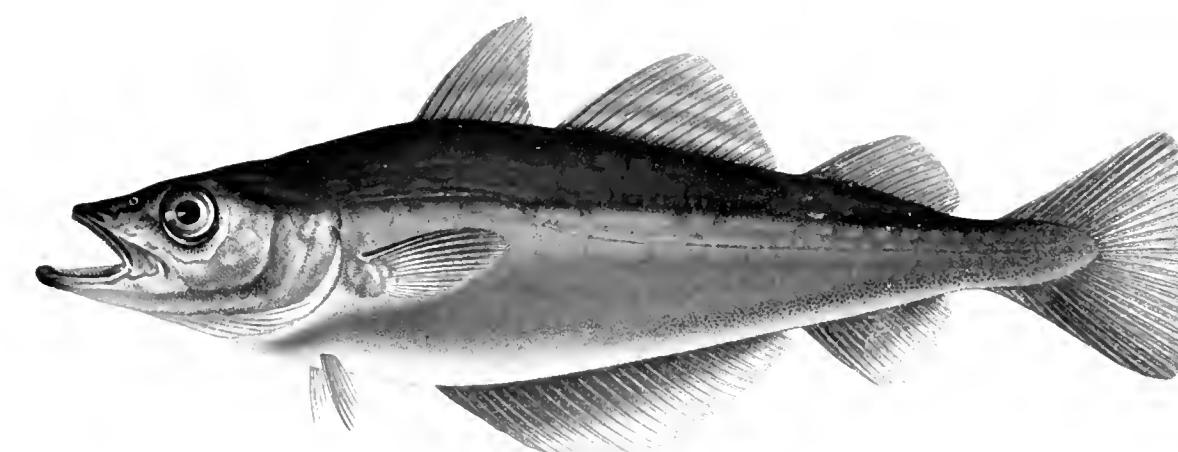
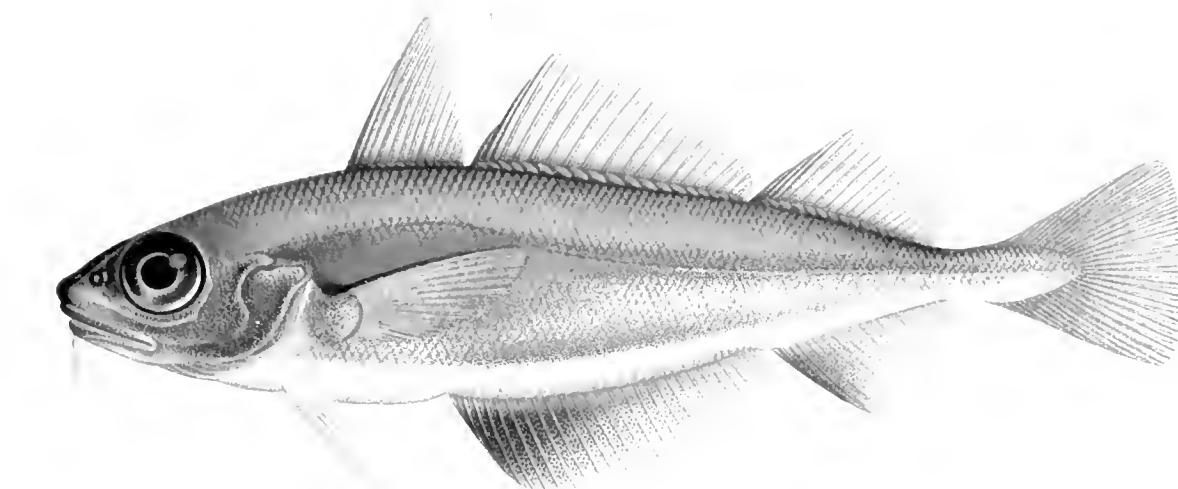
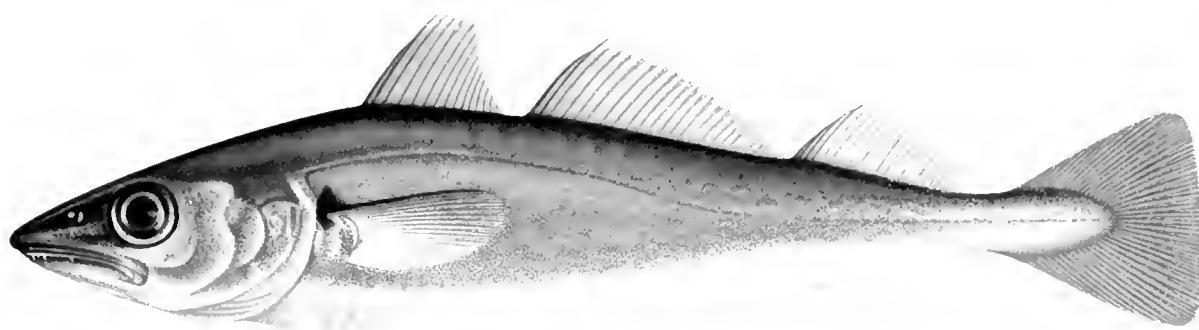
3.



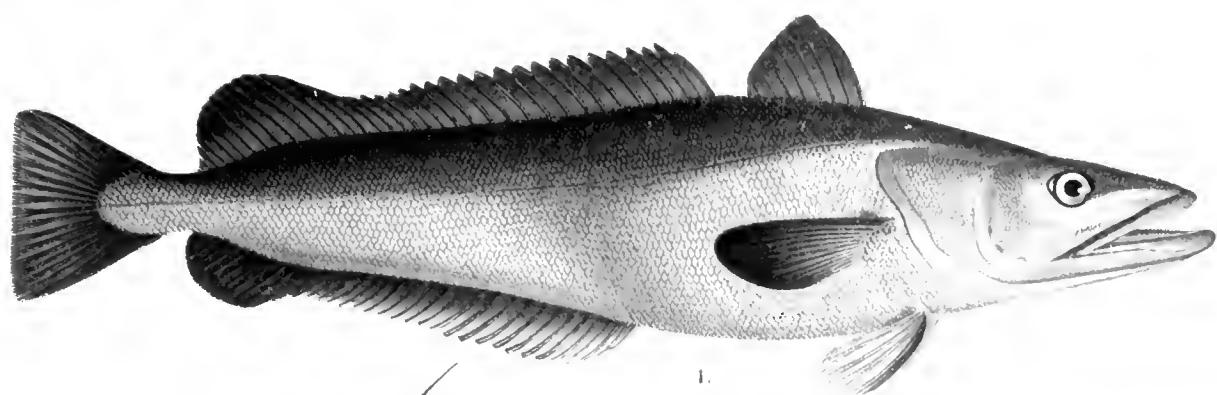
4.

1: *Gadus callarias*. 2: *Gadus aeglefinus*. 3: *Rhamphistomus*. 4: *Rhamphistomus*.





1. *Gadus morhua* 2. *Umbrinacirrosa* 3. *Argentinasilus*



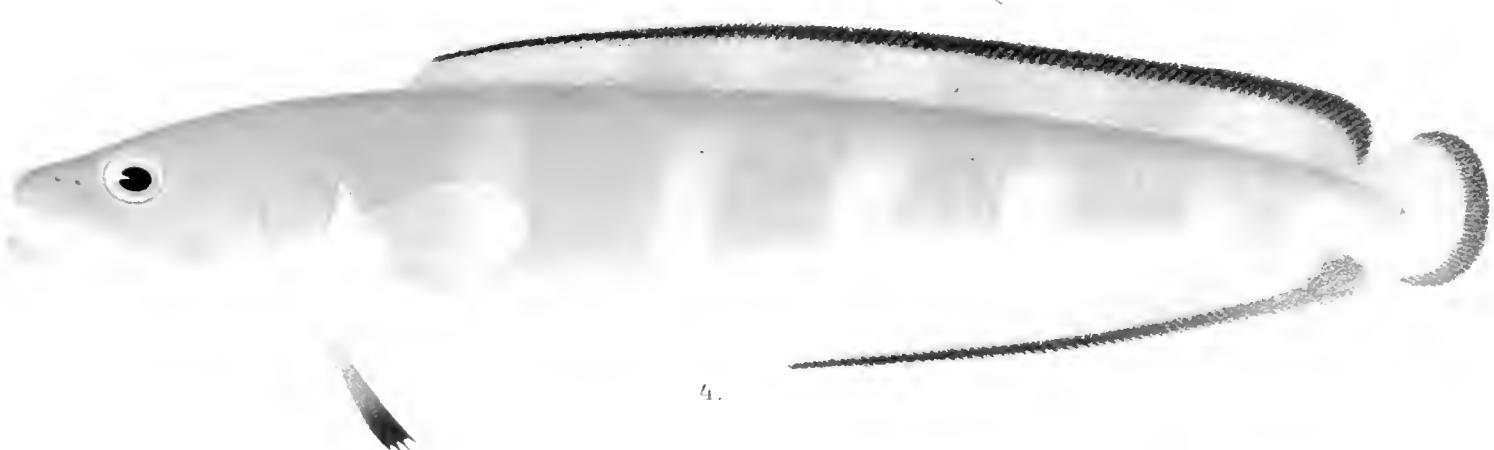
1.



2.

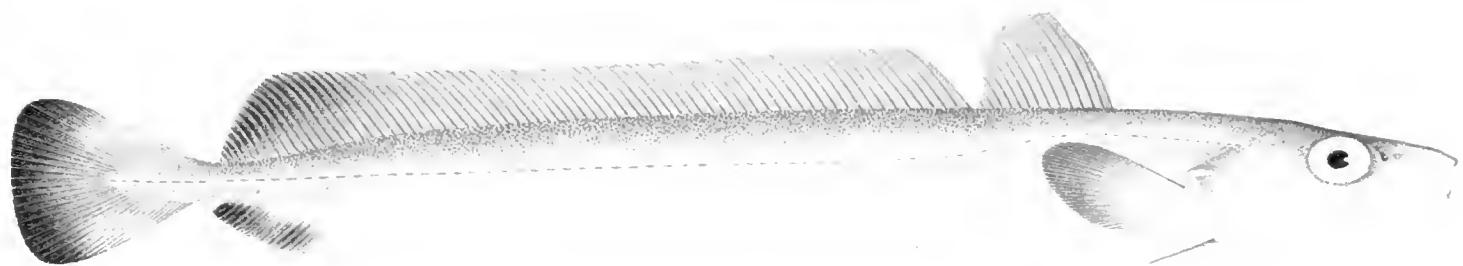
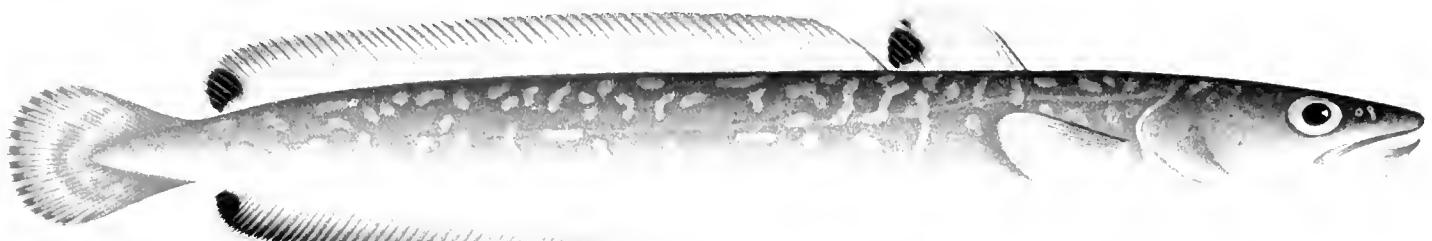
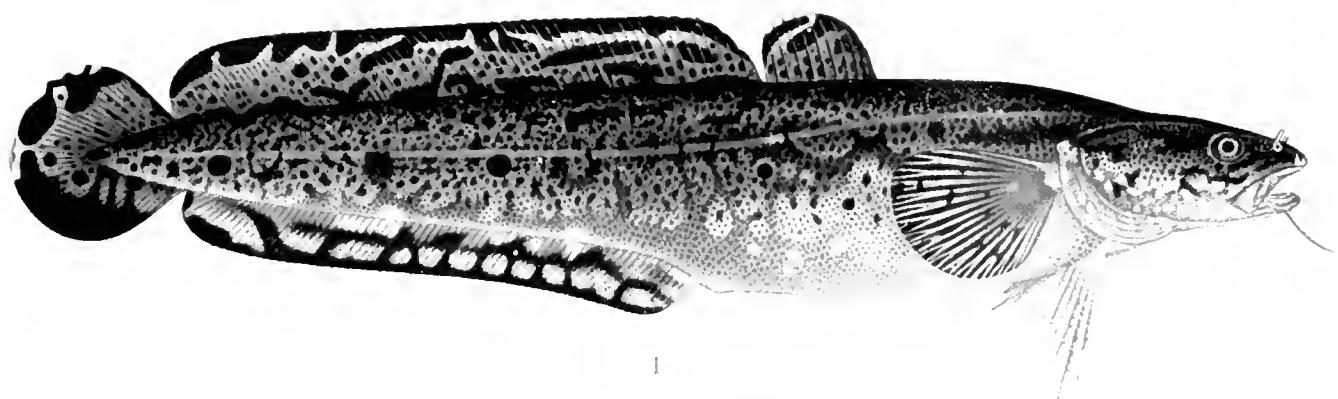


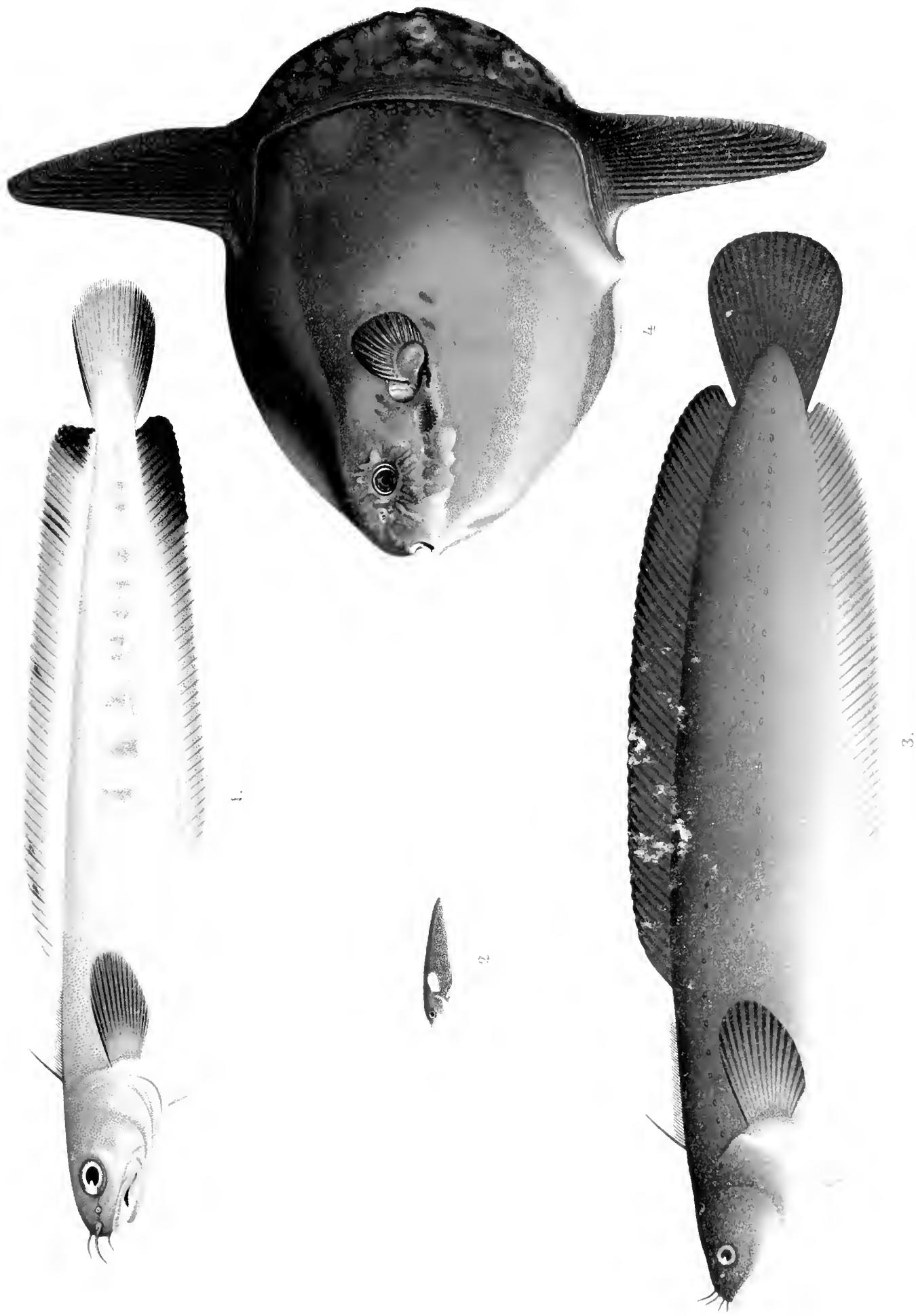
3.



4.

1: *Merluccius merluccius*. 2: *Phycis blennoides*; 3: *Raniceps raninus*. 4: *Brosnius brosni*.





1. Centroscyllium fabricii. 2 et 3. On. mustela. 4. Orthagoriscus mola

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